Meiofauna Counts from the Fraser River Delta, 1980 and 1981, Sled Samples

J. R. Sibert, T. J. Brown, and B. A. Kask

Department of Fisheries and Oceans
Fisheries Research Branch
Pacific Biological Station
Nanaimo, British Columbia V9R 5K6

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MEIOFAUNA COUNTS FROM THE FRASER RIVER DELTA; 1980 AND 1981; SLED SAMPLES

by

J. R. Sibert, T. J. Brown, and B. A. Kask

Department of Fisheries and Oceans

Fisheries Research Branch

Pacific Biological Station

Nanaimo, British Columbia V9R 5K6

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ABSTRACT

Sibert, J. R., T. J. Brown, and B. A. Kask. 1982. Meiofauna counts from the Fraser River Delta; 1980 and 1981; sled samples. Can. Data Rep. Fish. Aquat. Sci. 341: iv + 143 p.

Meiofauna were sampled on 14 occasions from April 1980 to June 1981. This report presents the counts of major meiofaunal groups and harpacticoid species obtained from the epibenthic sled.

Key words: Meiofauna, harpacticoid, Fraser estuary.

RESUME

Sibert, J. R., T. J. Brown, and B. A. Kask. 1982. Meiofauna counts from the Fraser River Delta; 1980 and 1981; sled samples. Can. Data Rep. Fish. Aquat. Sci. 341: iv + 143 p.

On a prélevé à 14 reprises, depuis avril 1980 à juin 1981, des échantillons de méiofaune. Le présent rapport énumère les principaux groupes de méiofaune et d'espèces d'harpacticidés recueillis à l'aide d'un traîneau à échantillonnage épibenthique.

Mots-clés: méiofaune, harpacticidés, estuaire du Fraser.

METHODS

The three stations Iona (1), Steveston (2) and Roberts Bank (3), established on the estuary, may be found in Fig. 1. Iona Island sewage channel benthic station is shown in Fig. 2 site 1. Steveston pit benthic sampling occurred at site 6 Fig. 3 and the Roberts Bank benthic sampling occurred at site 1 Fig. 4.

The samples were obtained using an epibenthic sled.[1] The sled has a 10 x 10 cm opening which is adjustable to differing heights above the bottom. The track distance of 5 meters produced a sampled area of 0.5 m^2. A 44 μ net was used to collect the samples.

Three samples were taken at low tide and preserved in formaldehyde and rose bengal. Meiofauna were separated from debris by successive washing and decantation through a 44 μ seive. The meiofaunal groups were enumerated and the first 100 harpacticoids were separated and stored for later identification to species wherever possible. The results are presented in Tables 1 through 8.

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[1]Sibert, J., B. A. Kask, and T. J. Brown. 1977. A diver operated sled for sampling the epibenthos. Fish. Mar. Ser. Tech. Rep. No. 738.

TABLE 1
FRASER FORESHORE; SLED SAMPLES
MAJOR CATEGORIES
STATION 1 (IONA).

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 1 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHD = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

VELI = VELIGER

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 17 APR 1980, 1305 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	NEMA	HARP	CNAU	WORM	EGGS	ROTI	ECTO	CALA	CUMA	AMPH	OSTR	BIVA	TUNI	BNAU	BCYP	GAST	ISOP
1	4416	480	1088	1472	384	512	32	128	32	32	0	0	0	0	0	0	0
2	1312	13184	4384	832	1376	640	96	64	0	32	32	0	0	0	0	0	0
3	21321	1794	1216	747	323	20	105	19	102	46	2	17	12	8	7	4	1

NUMBERS PER 0.10 SQ M

REP	NEMA	HARP	CNAU	WORM	EGGS	ROTI	ECTO	CALA	CUMA	AMPH	OSTR	BIVA	TUNI	BNAU	BCYP	GAST	ISOP
1	883.2	96.0	217.6	294.4	76.8	102.4	6.4	25.6	6.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	262.4	2636.8	876.8	166.4	275.2	128.0	19.2	12.8	0.0	6.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0
3	4264.2	358.8	243.2	149.4	64.6	4.0	21.0	3.8	20.4	9.2	0.4	3.4	2.4	1.6	1.4	0.8	0.2
MEAN	1803.3	1030.5	445.9	203.4	138.9	78.1	15.5	14.1	8.9	7.3	2.3	1.1	0.8	0.5	0.5	0.3	0.1
SD	2153.7	1397.3	373.4	79.3	118.2	65.5	8.0	11.0	10.4	1.6	3.6	2.0	1.4	0.9	0.8	0.5	0.1
SE	1243.4	806.7	215.6	45.8	68.3	37.8	4.6	6.3	6.0	0.9	2.1	1.1	0.8	0.5	0.5	0.3	0.1

Table 1 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 16 MAY 1980, 1235 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	EGGS	CALA	ROTI	WORM	CUMA	ECTO	AMPH	CLAD	OSTR	ISOP	DECA	TURB	VELI	NMRT
1	1497	610	292	177	47	44	23	15	6	1	6	0	0	0	0	0	0
2	896	423	130	58	29	22	13	10	4	4	0	1	1	0	0	0	0
3	1792	704	296	37	49	23	18	27	18	7	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	NEMA	EGGS	CALA	ROTI	WORM	CUMA	ECTO	AMPH	CLAD	OSTR	ISOP	DECA	TURB	VELI	NMRT
1	299.4	122.0	58.4	35.4	9.4	8.8	4.6	3.0	1.2	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
2	179.2	84.6	26.0	11.6	5.8	4.4	2.6	2.0	0.8	0.8	0.0	0.2	0.2	0.0	0.0	0.0	0.0
3	358.4	140.8	59.2	7.4	9.8	4.6	3.6	5.4	3.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	279.0	115.8	47.9	18.1	8.3	5.9	3.6	3.5	1.9	0.8	0.4	0.1	0.1	0.0	0.0	0.0	0.0
SD	91.3	28.6	18.9	15.1	2.2	2.5	1.0	1.7	1.5	0.6	0.7	0.1	0.1	0.0	0.0	0.0	0.0
SE	52.7	16.5	10.9	8.7	1.3	1.4	0.6	1.0	0.9	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 26 JUN 1980, 1005 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	ROTI	EGGS	NEMA	AMPH	WORM	CALA	OSTR	CUMA	ECTO	PARA	BIVA	MEDU	NMRT	CLAD	ISOP
1	1177	551	403	201	112	3	17	5	1	3	1	0	1	0	0	0	0
2	1273	1999	20	109	264	37	16	15	4	5	2	1	1	1	0	0	0
3	1086	553	322	209	130	11	17	5	10	5	0	1	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	ROTI	EGGS	NEMA	AMPH	WORM	CALA	OSTR	CUMA	ECTO	PARA	BIVA	MEDU	NMRT	CLAD	ISOP
1	235.4	110.2	80.6	40.2	22.4	0.6	3.4	1.0	0.2	0.6	0.2	0.0	0.2	0.0	0.0	0.0	0.0
2	254.6	399.8	4.0	21.8	52.8	7.4	3.2	3.0	0.8	1.0	0.4	0.2	0.2	0.2	0.0	0.0	0.0
3	217.2	110.6	64.4	41.8	26.0	2.2	3.4	1.0	2.0	1.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
MEAN	235.7	206.9	49.7	34.6	33.7	3.4	3.3	1.7	1.0	0.9	0.2	0.1	0.1	0.1	0.0	0.0	0.0
SD	18.7	167.1	40.4	11.1	16.6	3.6	0.1	1.2	0.9	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
SE	10.8	96.5	23.3	6.4	9.6	2.1	0.1	0.7	0.5	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 4 SEP 1980, 730 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	ROTI	HARP	NEMA	EGGS	WORM	CALA	AMPH	CILI	ECTO	OSTR	CLAD	DECA	NMRT	TURB	TARD	ISOP
1	4532	270	140	151	16	14	7	0	5	0	2	1	0	0	0	0	0
2	6014	182	216	167	69	23	5	4	0	2	0	0	0	0	0	0	0
3	3100	252	208	164	10	12	0	2	0	2	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	ROTI	HARP	NEMA	EGGS	WORM	CALA	AMPH	CILI	ECTO	OSTR	CLAD	DECA	NMRT	TURB	TARD	ISOP
1	906.4	54.0	28.0	30.2	3.2	2.8	1.4	0.0	1.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0
2	1202.8	36.4	43.2	33.4	13.8	4.6	1.0	0.8	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	620.0	50.4	41.6	32.8	2.0	2.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	909.7	46.9	37.6	32.1	6.3	3.3	0.8	0.4	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0
SD	291.4	9.3	8.4	1.7	6.5	1.2	0.7	0.4	0.6	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
SE	168.2	5.4	4.8	1.0	3.7	0.7	0.4	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 22 SEP 1980, 920 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	CALA	NEMA	HARP	ROTI	EGGS	WORM	PARA	MYSI	AMPH	CRZO	ECTO	ACAR	TUNI	CUMA	BIVA	HYDR
1	3710	500	272	236	64	82	68	18	20	6	4	2	2	0	0	0	0
2	2059	264	185	88	86	73	28	9	10	1	0	2	3	2	2	0	1
3	4364	487	443	203	160	86	86	16	11	1	3	2	0	2	0	1	0

NUMBERS PER 0.10 SQ M

REP	CNAU	CALA	NEMA	HARP	ROTI	EGGS	WORM	PARA	MYSI	AMPH	CRZO	ECTO	ACAR	TUNI	CUMA	BIVA	HYDR
1	742.0	100.0	54.4	47.2	12.8	16.4	13.6	3.6	4.0	1.2	0.8	0.4	0.4	0.0	0.0	0.0	0.0
2	411.8	52.8	37.0	17.6	17.2	14.6	5.6	1.8	2.0	0.2	0.0	0.4	0.6	0.4	0.4	0.0	0.2
3	872.8	97.4	88.6	40.6	32.0	17.2	17.2	3.2	2.2	0.2	0.6	0.4	0.0	0.4	0.0	0.2	0.0
MEAN	675.5	83.4	60.0	35.1	20.7	16.1	12.1	2.9	2.7	0.5	0.5	0.4	0.3	0.3	0.1	0.1	0.1
SD	237.6	26.5	26.3	15.5	10.1	1.3	5.9	0.9	1.1	0.6	0.4	0.0	0.3	0.2	0.2	0.1	0.1
SE	137.2	15.3	15.2	9.0	5.8	0.8	3.4	0.5	0.6	0.3	0.2	0.0	0.2	0.1	0.1	0.1	0.1

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 30 OCT 1980, 355 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	NEMA	HARP	CNAU	EGGS	WORM	PARA	ROTI	CALA	BIVA	CUMA	AMPH	ECTO	INSE	ACAR	MEDU	DECA	NMRT
1	1752	2936	1752	656	472	112	192	152	8	45	8	16	0	0	1	0	0
2	376	3208	3288	544	136	272	136	80	0	16	8	24	1	1	0	0	0
3	7120	2416	1048	88	632	96	96	160	168	8	32	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	NEMA	HARP	CNAU	EGGS	WORM	PARA	ROTI	CALA	BIVA	CUMA	AMPH	ECTO	INSE	ACAR	MEDU	DECA	NMRT
1	350.4	587.2	350.4	131.2	94.4	22.4	38.4	30.4	1.6	9.0	1.6	3 2	0.0	0.0	0.2	0.0	0.0
2	75.2	641.6	657.6	108.8	27.2	54.4	27.2	16.0	0.0	3.2	1.6	4.8	0.2	0.2	0.0	0.0	0.0
3	1424.0	483.2	209.6	17.6	126.4	19.2	19.2	32.0	33.6	1.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	616.5	570.7	405.9	85.9	82.7	32.0	28.3	26.1	11.7	4.6	3.2	2.7	0.1	0.1	0.1	0.0	0.0
SD	712.7	80.5	229.1	60.2	50.6	19.5	9.6	8 8	19.0	3.9	2.8	2.4	0.1	0.1	0.1	0.0	0.0
SE	411.5	46.5	132.3	34.7	29.2	11.2	5.6	5.1	10.9	2.2	1.6	1.4	0.1	0.1	0.1	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 18 NOV 1980, 700 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	NEMA	CALA	HARP	ROTI	EGGS	WORM	OSTR	CLAD	CILI	ACAR	BIVA	FORA	AMPH	CUMA	ECTO	MYSI
1	614	266	216	210	74	18	20	11	2	0	3	3	1	3	2	1	1
2	262	133	82	69	138	66	19	2	11	0	2	1	3	1	3	2	0
3	326	234	131	129	138	33	52	2	2	10	4	3	2	2	0	1	1

RAW COUNTS

REP	GAST	TUNI	DECA	EGCA	BNAU	VELI	INSE	PTER	COYP	HYDR	CMEG	BARN	BCYP	ISOP	GEGG	TARD	FISH
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 18 NOV 1980. 700 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	NEMA	CALA	HARP	ROTI	EGGS	WORM	OSTR	CLAD	CILI	ACAR	BIVA	FORA	AMPH	CUMA	ECTO	MYSI
1	122.8	53.2	43.2	42.0	14.8	3.6	4.0	2.2	0.4	0.0	0.6	0.6	0.2	0.6	0.4	0.2	0.2
2	52.4	26.6	16.4	13.8	27.6	13.2	3.8	0.4	2.2	0.0	0.4	0.2	0.6	0.2	0.6	0.4	0.0
3	65.2	46.8	26.2	25.8	27.6	6.6	10.4	0.4	0.4	2.0	0.8	0.6	0.4	0.4	0.0	0.2	0.2
MEAN	80.1	42.2	28.6	27.2	23.3	7.8	6.1	1.0	1.0	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.1
SD	37.5	13.9	13.6	14.2	7.4	4.9	3.8	1.0	1.0	1.2	0.2	0.2	0.2	0.2	0.3	0.1	0.1
SE	21.7	8.0	7.8	8.2	4.3	2.8	2.2	0.6	0.6	0.7	0.1	0.1	0.1	0.1	0.2	0.1	0.1

NUMBERS PER 0.10 SQ M

REP	GAST	TUNI	DECA	EGCA	BNAU	VELI	INSE	PTER	COYP	HYDR	CMEG	BARN	BCYP	ISOP	GEGG	TARD	FISH
1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; MAJOR CATEGORES

DATE 11 DEC 1980, 45 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	CALA	MYSI	WORM	EGGS	ROTI	ECTO	CUMA	OSTR	CLAD	GAST	AMPH	TUNI	INSE	ACAR
1	1509	161	111	34	71	12	18	14	6	2	4	1	0	0	1	1	1
2	3520	194	155	77	33	25	20	16	15	5	2	4	5	0	3	3	0
3	2898	107	156	82	79	15	13	8	15	1	0	0	0	5	0	0	0

RAW COUNTS

REP	BIVA	NMRT	DECA	EGCA	BNAU	VELI	ISOP	PTER	COYP	HYDR	CMEG	BARN	BCYP	MEDU	GEGG	TARD	FISH
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 11 DEC 1980, 45 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	NEMA	CNAU	HARP	CALA	MYSI	WORM	EGGS	ROTI	ECTO	CUMA	OSTR	CLAD	GAST	AMPH	TUNI	INSE	ACAR
1	301.8	32.2	22.2	6.8	14.2	2.4	3.6	2.8	1.2	0.4	0.8	0.2	0.0	0.0	0.2	0.2	0.2
2	704.0	38.8	31.0	15.4	6.6	5.0	4.0	3.2	3.0	1.0	0.4	0.8	1.0	0.0	0.6	0.6	0.0
3	579.6	21.4	31.2	16.4	15.8	3.0	2.6	1.6	3.0	0.2	0.0	0.0	0.0	1.0	0.0	0.0	0.0
MEAN	528.5	30.8	28.1	12.9	12.2	3.5	3.4	2.5	2.4	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.1
SD	205.9	8.8	5.1	5.3	4.9	1.4	0.7	0.8	1.0	0.4	0.4	0.4	0.6	0.6	0.3	0.3	0.1
SE	118.9	5.1	3.0	3.0	2.8	0.8	0.4	0.5	0.6	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1

Table 1 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 20 JAN 1981, 2335 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	NEMA	CNAU	HARP	ROTI	WORM	EGGS	CALA	CILI	MYSI	AMPH	CUMA	ECTO	GAST	NMRT	TURB	DECA	CLAD
1	309	175	39	47	14	27	12	0	6	2	2	0	0	0	0	0	0
2	399	150	51	12	15	9	14	0	1	0	1	2	1	0	0	0	0
3	534	184	76	14	26	8	13	26	2	2	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	NEMA	CNAU	HARP	ROTI	WORM	EGGS	CALA	CILI	MYSI	AMPH	CUMA	ECTO	GAST	NMRT	TURB	DECA	CLAD
1	61.8	35.0	7.8	9.4	2.8	5.4	2.4	0.0	1.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
2	79.8	30.0	10.2	2.4	3.0	1.8	2.8	0.0	0.2	0.0	0.2	0.4	0.2	0.0	0.0	0.0	0.0
3	106.8	36.8	15.2	2.8	5.2	1.6	2.6	5.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	82.8	33.9	11.1	4.9	3.7	2.9	2.6	1.7	0.6	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
SD	22.6	3.5	3.8	3.9	1.3	2.1	0.2	3.0	0.5	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0
SE	13.1	2.0	2.2	2.3	0.8	1.2	0.1	1.7	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 3 MAR 1981, 2140 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	EGGS	NEMA	CNAU	HARP	CALA	WORM	CILI	ECTO	ROTI	OSTR	AMPH	MYSI	TUNI	CUMA	ACAR	CLAD	GAST
1	10160	543	85	238	86	46	50	5	15	8	2	1	0	1	2	0	0
2	6570	391	667	300	85	34	21	4	0	2	0	0	3	4	0	2	1
3	8480	696	691	365	102	54	0	13	5	0	4	5	3	0	1	0	0

NUMBERS PER 0.10 SQ M

REP	EGGS	NEMA	CNAU	HARP	CALA	WORM	CILI	ECTO	ROTI	OSTR	AMPH	MYSI	TUNI	CUMA	ACAR	CLAD	GAST
1	2032.0	108.6	17.0	47.6	17.2	9.2	10.0	1.0	3.0	1.6	0.4	0.2	0.0	0.2	0.4	0.0	0.0
2	1314.0	78.2	133.4	60.0	17.0	6.8	4.2	0.8	0.0	0.4	0.0	0.0	0.6	0.8	0.0	0.4	0.2
3	1696.0	139.2	138.2	73.0	20.4	10.8	0.0	2.6	1.0	0.0	0.8	1.0	0.6	0.0	0.2	0.0	0.0
MEAN	1680.7	108.7	96.2	60.2	18.2	8.9	4.7	1.5	1.3	0.7	0.4	0.4	0.4	0.3	0.2	0.1	0.1
SD	359.2	30.5	68.6	12.7	1.9	2.0	5.0	1.0	1.5	0.8	0.4	0.5	0.3	0.4	0.2	0.2	0.1
SE	207.4	17.6	39.6	7.3	1.1	1.2	2.9	0.6	0.9	0.5	0.2	0.3	0.2	0.2	0.1	0.1	0.1

Table 1 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 8 APR 1981, 1400 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	EGGS	NEMA	CILI	TURB	CUMA	WORM	BNAU	CALA	ROTI	ECTO	BIVA	GAST	OSTR	ACAR	AMPH
1	512	368	360	208	68	12	20	12	24	12	12	8	4	0	0	0	0
2	268	288	204	168	58	42	38	26	16	12	6	2	0	2	2	2	2
3	338	238	88	186	42	24	18	20	14	8	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	EGGS	NEMA	CILI	TURB	CUMA	WORM	BNAU	CALA	ROTI	ECTO	BIVA	GAST	OSTR	ACAR	AMPH
1	102.4	73.6	72.0	41.6	13.6	2.4	4.0	2.4	4.8	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0
2	53.6	57.6	40.8	33.6	11.6	8.4	7.6	5.2	3.2	2.4	1.2	0.4	0.0	0.4	0.4	0.4	0.4
3	67.6	47.6	17.6	37.2	8.4	4.8	3.6	4.0	2.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	74.5	59.6	43.5	37.5	11.2	5.2	5.1	3.9	3.6	2.1	1.2	0.7	0.3	0.1	0.1	0.1	0.1
SD	25.1	13.1	27.3	4.0	2.6	3.0	2.2	1.4	1.1	0.5	1.2	0.8	0.5	0.2	0.2	0.2	0.2
SE	14.5	7.6	15.8	2.3	1.5	1.7	1.3	0.8	0.6	0.3	0.7	0.5	0.3	0.1	0.1	0.1	0.1

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 7 MAY 1981, 1245 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	NEMA	CILI	EGGS	CALA	MYSI	ROTI	WORM	HYDR	CUMA	BNAU	TUNI	FISH	ECTO	GAST	CLAD
1	12640	2504	344	184	176	136	64	0	0	0	8	8	8	0	0	8	0
2	21936	4720	624	448	224	240	160	16	32	48	32	16	0	16	16	0	0
3	26528	3096	544	256	252	192	32	96	48	32	0	0	16	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	NEMA	CILI	EGGS	CALA	MYSI	ROTI	WORM	HYDR	CUMA	BNAU	TUNI	FISH	ECTO	GAST	CLAD
1	2528.0	500.8	68.8	36.8	35.2	27.2	12.8	0.0	0.0	0.0	1.6	1.6	1.6	0.0	0.0	1.6	0.0
2	4387.2	944.0	124.8	89.6	44.8	48.0	32.0	3.2	6.4	9.6	6.4	3.2	0.0	3.2	3.2	0.0	0.0
3	5305.6	619.2	108.8	51.2	50.4	38.4	6.4	19.2	9.6	6.4	0.0	0.0	3.2	0.0	0.0	0.0	0.0
MEAN	4073.6	688.0	100.8	59.2	43.5	37.9	17.1	7.5	5.3	5.3	2.7	1.6	1.6	1.1	1.1	0.5	0.0
SD	1415.1	229.5	28.8	27.3	7.7	10.4	13.3	10.3	4.9	4.9	3.3	1.6	1.6	1.8	1.8	0 9	0.0
SE	817.0	132.5	16.7	15.8	4.4	6.0	7.7	5.9	2.8	2.8	1.9	0.9	0.9	1.1	1.1	0.5	0.0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; MAJOR CATEGORES

DATE 3 JUN 1981, 1130 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	EGGS	NEMA	ROTI	WORM	CILI	HYDR	CALA	CLAD	TURB	ACAR	ECTO	MYSI	TUNI	PARA	CUMA
1	704	172	440	252	84	0	8	12	16	0	0	20	4	0	0	5	0
2	768	276	320	172	24	44	16	0	0	12	0	0	4	4	4	2	0
3	1168	996	220	328	48	104	20	24	8	12	20	0	8	8	4	0	4

RAW COUNTS

REP	AMPH	FISH	BCYP	EGCA	INSE	VELI	ISOP	PTER	NMRT	DECA	CMEG	BARN	MEDU	OSTR	GEGG	TARD	BNAU
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 1 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 3 JUN 1981, 1130 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	EGGS	NEMA	ROTI	WORM	CILI	HYDR	CALA	CLAD	TURB	ACAR	ECTO	MYSI	TUNI	PARA	CUMA
1	140.8	34.4	88.0	50.4	16.8	0.0	1.6	2.4	3.2	0.0	0.0	4.0	0.8	0.0	0.0	1.0	0.0
2	153.6	55.2	64.0	34.4	4.8	8.8	3.2	0.0	0.0	2.4	0.0	0.0	0.8	0.8	0.8	0.4	0.0
3	233.6	199.2	44.0	65.6	9.6	20.8	4.0	4.8	1.6	2.4	4.0	0.0	1.6	1.6	0.8	0.0	0.8
MEAN	176.0	96.3	65.3	50.1	10.4	9.9	2.9	2.4	1.6	1.6	1.3	1.3	1.1	0.8	0.5	0.5	0.3
SD	50.3	89.7	22.0	15.6	6.0	10.4	1.2	2.4	1.6	1.4	2.3	2.3	0.5	0.8	0.5	0.5	0.5
SE	29.0	51.8	12.7	9.0	3.5	6.0	0.7	1.4	0.9	0.8	1.3	1.3	0.3	0.5	0.3	0.3	0.3

NUMBERS PER 0.10 SQ M

REP	AMPH	FISH	BCYP	EGCA	INSE	VELI	ISOP	PTER	NMRT	DECA	CMEG	BARN	MEDU	OSTR	GEGG	TARD	BNAU
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 2
FRASER FORESHORE; SLED SAMPLES
MAJOR CATEGORIES
STATION 2 (STEVESTON)

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES, MAJOR CATEGORES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 2 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHD = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

VELI = VELIGER

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 15 APR 1980, 1130 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	EGGS	CALA	CNAU	WORM	HARP	NEMA	OSTR	TUNI	ECTO	FORA	BNAU	BCYP	ECHL	ACAR	GAST	AMPH	INSE
1	130	153	139	112	42	21	3	8	5	2	1	5	3	0	2	1	0
2	145	127	127	62	50	12	14	0	2	6	3	0	0	3	1	0	0
3	100	72	72	73	17	5	1	7	5	0	3	0	0	0	0	0	1

RAW COUNTS

REP	ROTI	PARA	EGCA	CLAD	TARD	DECA	ISOP	PTER	VELI	TURB	CMEG	BARN	MYSI	MEDU	GEGG	CUMA	FISH
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 15 APR 1980, 1130 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	EGGS	CALA	CNAU	WORM	HARP	NEMA	OSTR	TUNI	ECTO	FORA	BNAU	BCYP	ECHL	ACAR	GAST	AMPH	INSE
1	26.0	30.6	27.8	22.4	8.4	4.2	0.6	1.6	1.0	0.4	0.2	1.0	0.6	0.0	0.4	0.2	0.0
2	29.0	25.4	25.4	12.4	10.0	2.4	2.8	0.0	0.4	1.2	0.6	0.0	0.0	0.6	0.2	0.0	0.0
3	20.0	14.4	14.4	14.6	3.4	1.0	0.2	1.4	1.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.2
MEAN	25.0	23.5	22.5	16.5	7.3	2.5	1.2	1.0	0.8	0.5	0.5	0.3	0.2	0.2	0.2	0.1	0.1
SD	4.6	8.3	7.1	5.3	3.4	1.6	1.4	0.9	0.3	0.6	0.2	0.6	0.3	0.3	0.2	0.1	0.1
SE	2.6	4.8	4.1	3.0	2.0	0.9	0.8	0.5	0.2	0.4	0.1	0.3	0.2	0.2	0.1	0.1	0.1

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 15 MAY 1980, 1100 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	EGGS	ROTI	NEMA	AMPH	WORM	CALA	CUMA	ECTO	CLAD	GAST	BCYP	OSTR	FORA	ECHL	PARA
1	2553	2206	425	0	96	48	8	51	16	8	1	23	14	12	1	0	1
2	8520	1760	432	392	208	24	8	16	8	16	8	0	0	0	0	8	0
3	5960	744	464	104	144	24	72	8	16	8	16	0	0	0	8	0	0

RAW COUNTS

REP	ACAR	INSE	DECA	EGCA	TURB	VELI	ISOP	PTER	BNAU	TUNI	CMEG	BARN	MYSI	MEDU	GEGG	TARD	FISH
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLEE SAMPLES: MAJOR CATEGORES

DATE 15 MAY 1980, 1100 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	EGGS	ROTI	NEMA	AMPH	WORM	CALA	CUMA	ECTO	CLAD	GAST	BCYP	OSTR	FORA	ECHL	PARA
1	510.6	441.2	85.0	0.0	19.2	9.6	1.6	10.2	3.2	1.6	0.2	4.6	2.8	2.4	0.2	0.0	0.2
2	1704.0	352.0	86.4	78.4	41.6	4.8	1.6	3.2	1.6	3.2	1.6	0.0	0.0	0.0	0.0	1.6	0.0
3	1192.0	148.8	92.8	20.8	28.8	4.8	14.4	1.6	3.2	1.6	3.2	0.0	0.0	0.0	1.6	0.0	0.0
MEAN	1135.5	314.0	88.1	33.1	29.9	6.4	5.9	5.0	2.7	2.1	1.7	1.5	0.9	0.8	0.6	0.5	0.1
SD	598.7	149.9	4.2	40.6	11.2	2.8	7.4	4.6	0.9	0.9	1.5	2.7	1.6	1.4	0.9	0.9	0.1
SE	345.7	86.5	2.4	23.4	6.5	1.6	4.3	2.6	0.5	0.5	0.9	1.5	0.9	0.8	0.5	0.5	0.1

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 27 JUN 1980, 1050 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	ROTI	CNAU	WORM	HARP	NEMA	EGGS	PARA	CALA	OSTR	DECA	GAST	INSE	ECTO	MYSI	AMPH	CUMA	TUNI
1	47360	928	12	296	100	4	64	24	44	20	4	0	0	4	0	0	0
2	18480	764	80	96	24	60	28	0	0	0	0	8	4	4	8	4	4
3	25240	1232	1000	140	80	76	40	40	0	0	8	0	4	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	ROTI	CNAU	WORM	HARP	NEMA	EGGS	PARA	CALA	OSTR	DECA	GAST	INSE	ECTO	MYSI	AMPH	CUMA	TUNI
1	9472.0	185.6	2.4	59.2	20.0	0.8	12.8	4.8	8.8	4.0	0.8	0.0	0.0	0.8	0.0	0.0	0.0
2	3696.0	152.8	16.0	19.2	4.8	12.0	5.6	0.0	0.0	0.0	0.0	1.6	0.8	0.8	1.6	0.8	0.8
3	5048.0	246.4	200.0	28.0	16.0	15.2	8.0	8.0	0.0	0.0	1.6	0.0	0.8	0.0	0.0	0.0	0.0
MEAN	6072.0	194.9	72.8	35.5	13.6	9.3	8.8	4.3	2.9	1.3	0.8	0.5	0.5	0.5	0.5	0.3	0.3
SD	3021.1	47.5	110.4	21.0	7.9	7.6	3.7	4.0	5.1	2.3	0.8	0.9	0.5	0.5	0.9	0.5	0.5
SE	1744.2	27.4	63.7	12.1	4.5	4.4	2.1	2.3	2.9	1.3	0.5	0.5	0.3	0.3	0.5	0.3	0.3

Table 2 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 6 SEP 1980, 920 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	WORM	ROTI	HARP	EGGS	CALA	NEMA	TUNI	OSTR	BIVA	GAST	AMPH	BNAU	CUMA	GEGG	MYSI	BCYP
1	1272	400	614	392	244	134	40	56	6	8	4	0	2	0	2	2	0
2	1358	622	444	200	194	114	92	54	0	0	0	2	0	2	0	0	0
3	1197	511	319	203	143	106	94	61	5	0	0	2	0	0	0	0	1

RAW COUNTS

REP	ECTO	CLAD	ISOP	EGCA	NMRT	DECA	INSE	PTER	COYP	ACAR	CMEG	BARN	HYDR	MEDU	VELI	TARD	FISH
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 6 SEP 1980, 920 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	WORM	ROTI	HARP	EGGS	CALA	NEMA	TUNI	OSTR	BIVA	GAST	AMPH	BNAU	CUMA	GEGG	MYSI	BCYP
1	254.4	80.0	122.8	78.4	48.8	26.8	8.0	11.2	1.2	1.6	0.8	0.0	0.4	0.0	0.4	0.4	0.0
2	271.6	124.4	88.8	40.0	38.8	22.8	18.4	10.8	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0
3	239.4	102.2	63.8	40.6	28.6	21.2	18.8	12.2	1.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.2
MEAN	255.1	102.2	91.8	53.0	38.7	23.6	15.1	11.4	0.7	0.5	0.3	0.3	0.1	0.1	0.1	0.1	0.1
SD	16.1	22.2	29.6	22.0	10.1	2.9	6.1	0.7	0.6	0.9	0.5	0.2	0.2	0.2	0.2	0.2	0.1
SE	9.3	12.8	17.1	12.7	5.8	1.7	3.5	0.4	0.4	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.1

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; MAJOR CATEGORES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	ROTI	EGGS	CALA	PARA	NEMA	OSTR	MYSI	AMPH	WORM	NMRT	FISH	CLAD	TARD	DECA	ISOP
1	97056	1856	992	320	768	512	64	64	32	0	0	0	0	0	0	0	0
2	19360	144	726	272	144	112	240	0	0	16	16	0	0	0	0	0	0
3	19872	624	160	576	80	0	64	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	ROTI	EGGS	CALA	PARA	NEMA	OSTR	MYSI	AMPH	WORM	NMRT	FISH	CLAD	TARD	DECA	ISOP
1	19411.2	371.2	198.4	64.0	153.6	102.4	12.8	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3872.0	28.8	145.2	54.4	28.8	22.4	48.0	0.0	0.0	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
3	3974.4	124.8	32.0	115.2	16.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	9085.9	174.9	125.2	77.9	66.1	41.6	24.5	4.3	2.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
SD	8942.1	176.6	85.0	32.7	76.0	53.8	20.3	7.4	3.7	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
SE	5162.8	102.0	49.1	18.9	43.9	31.1	11.7	4.3	2.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 29 OCT 1980, 205 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	CALA	NEMA	EGGS	WORM	ROTI	MYSI	ECTO	GAST	BIVA	OSTR	CLAD	TUNI	CUMA	PARA	AMPH
1	231	67	48	38	20	33	34	4	3	0	1	0	0	0	0	1	1
2	261	134	52	47	18	8	14	4	1	2	0	2	1	1	1	0	0
3	298	69	52	34	40	34	23	10	1	0	1	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	CALA	NEMA	EGGS	WORM	ROTI	MYSI	ECTO	GAST	BIVA	OSTR	CLAD	TUNI	CUMA	PARA	AMPH
1	46.2	13.4	9.6	7.6	4.0	6.6	6.8	0.8	0.6	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.2
2	52.2	26.8	10.4	9.4	3.6	1.6	2.8	0.8	0.2	0.4	0.0	0.4	0.2	0.2	0.2	0.0	0.0
3	59.6	13.8	10.4	6.8	8.0	6.8	4.6	2.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	52.7	18.0	10.1	7.9	5.2	5.0	4.7	1.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SD	6.7	7.6	0.5	1.3	2.4	2.9	2.0	0.7	0.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1
SE	3.9	4.4	0.3	0.8	1.4	1.7	1.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table 2 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 10 DEC 1980, 115 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	CALA	ROTI	OSTR	NEMA	EGGS	WORM	MYSI	FORA	PARA	AMPH	CUMA	ECTO	BCYP	CLAD	ISOP
1	433	175	78	44	3	23	7	2	2	1	3	2	1	0	0	0	0
2	389	69	69	24	15	19	8	3	2	0	0	0	1	1	1	0	0
3	307	66	44	18	37	12	6	3	0	2	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	CALA	ROTI	OSTR	NEMA	EGGS	WORM	MYSI	FORA	PARA	AMPH	CUMA	ECTO	BCYP	CLAD	ISOP
1	86.6	35.0	15.6	8.8	0.6	4.6	1.4	0.4	0.4	0.2	0.6	0.4	0.2	0.0	0.0	0.0	0.0
2	77.8	13.8	13.8	4.8	3.0	3.8	1.6	0.6	0.4	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0
3	61.4	13.2	8.8	3.6	7.4	2.4	1.2	0.6	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	75.3	20.7	12.7	5.7	3.7	3.6	1.4	0.5	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0
SD	12.8	12.4	3.5	2.7	3.4	1.1	0.2	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0
SE	7.4	7.2	2.0	1.6	2.0	0.6	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 19 JAN 1981, 2255 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	ROTI	CNAU	HARP	NEMA	CALA	WORM	EGGS	AMPH	OSTR	MYSI	PARA	NMRT	FISH	CLAD	TARD	DECA	ISOP
1	989	73	41	9	11	6	5	2	0	1	1	0	0	0	0	0	0
2	243	46	15	4	1	1	3	1	1	0	0	0	0	0	0	0	0
3	351	24	20	10	8	6	4	1	1	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	ROTI	CNAU	HARP	NEMA	CALA	WORM	EGGS	AMPH	OSTR	MYSI	PARA	NMRT	FISH	CLAD	TARD	DECA	ISOP
1	197.8	14.6	8.2	1.8	2.2	1.2	1.0	0.4	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
2	48.6	9.2	3.0	0.8	0.2	0.2	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	70.2	4.8	4.0	2.0	1.6	1.2	0.8	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	105.5	9.5	5.1	1.5	1.3	0.9	0.8	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SD	80.6	4.9	2.8	0.6	1.0	0.6	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SE	46.6	2.8	1.6	0.4	0.6	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 17 FEB 1981, 2300 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	CALA	ROTI	HARP	NEMA	WORM	EGGS	ECTO	TUNI	MYSI	FISH	CUMA	TURB	ACAR	AMPH	GAST	ECHD
1	206	32	25	16	16	2	2	3	1	1	0	1	0	0	1	0	1
2	153	22	19	22	17	4	5	3	0	0	0	0	1	0	0	0	0
3	191	44	21	13	15	12	9	1	1	0	1	0	0	1	0	1	0

NUMBERS PER 0.10 SQ M

REP	CNAU	CALA	ROTI	HARP	NEMA	WORM	EGGS	ECTO	TUNI	MYSI	FISH	CUMA	TURB	ACAR	AMPH	GAST	ECHD
1	41.2	6.4	5.0	3.2	3.2	0.4	0.4	0.6	0.2	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.2
2	30.6	4.4	3.8	4.4	3.4	0.8	1.0	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
3	38.2	8.8	4.2	2.6	3.0	2.4	1.8	0.2	0.2	0.0	0.2	0.0	0.0	0.2	0.0	0.2	0.0
MEAN	36.7	6.5	4.3	3.4	3.2	1.2	1.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SD	5.5	2.2	0.6	0.9	0.2	1.1	0.7	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SE	3.2	1.3	0.4	0.5	0.1	0.6	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table 2 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 4 MAR 1981, 2225 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	CALA	NEMA	EGGS	WORM	ROTI	CUMA	MYSI	AMPH	ECTO	NMRT	DECA	CLAD	TURB	MEDU	ISOP
1	102	47	23	15	3	11	18	7	4	0	0	0	0	0	0	0	0
2	114	48	36	22	14	7	8	2	3	1	1	0	0	0	0	0	0
3	102	26	24	12	16	9	0	3	4	1	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	CALA	NEMA	EGGS	WORM	ROTI	CUMA	MYSI	AMPH	ECTO	NMRT	DECA	CLAD	TURB	MEDU	ISOP
1	20.4	9.4	4.6	3.0	0.6	2.2	3.6	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	22.8	9.6	7.2	4.4	2.8	1.4	1.6	0.4	0.6	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
3	20.4	5.2	4.8	2.4	3.2	1.8	0.0	0.6	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	21.2	8.1	5.5	3.3	2.2	1.8	1.7	0.8	0.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.4	2.5	1.4	1.0	1.4	0.4	1.8	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.8	1.4	0.8	0.6	0.8	0.2	1.0	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 5 MAY 1981, 1300 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	CILI	EGGS	CALA	NEMA	TURB	ROTI	ACAR	WORM	ECTO	MYSI	HYDR	INSE	CUMA	BNAU	FORA
1	2992	134	96	176	132	28	34	16	10	2	6	0	4	2	2	0	0
2	3906	296	284	180	68	46	44	16	18	12	8	8	0	2	0	2	2
3	2568	212	246	156	76	36	16	8	2	4	2	2	2	0	2	0	0

RAW COUNTS

REP	TARD	OSTR	CLAD	DECA	VELI	GAST	ISOP	PTER	COYP	TUNI	CMEG	BARN	BCYP	MEDU	GEGG	EGCA	FISH
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; MAJOR CATEGORES

DATE 5 MAY 1981, 1300 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	CILI	EGGS	CALA	NEMA	TURB	ROTI	ACAR	WORM	ECTO	MYSI	HYDR	INSE	CUMA	BNAU	FORA
1	598.4	26.8	19.2	35.2	26.4	5.6	6.8	3.2	2.0	0.4	1.2	0.0	0.8	0.4	0.4	0.0	0.0
2	781.2	59.2	56.8	36.0	13.6	9.2	8.8	3.2	3.6	2.4	1.6	1.6	0.0	0.4	0.0	0.4	0.4
3	513.6	42.4	49.2	31.2	15.2	7.2	3.2	1.6	0.4	0.8	0.4	0.4	0.4	0.0	0.4	0.0	0.0
MEAN	631.1	42.8	41.7	34.1	18.4	7.3	6.3	2.7	2.0	1.2	1.1	0.7	0.4	0.3	0.3	0.1	0.1
SD	136.8	16.2	19.9	2.6	7.0	1.8	2.8	0.9	1.6	1.1	0.6	0.8	0.4	0.2	0.2	0.2	0.2
SE	79.0	9.4	11.5	1.5	4.0	1.0	1.6	0.5	0.9	0.6	0.4	0.5	0.2	0.1	0.1	0.1	0.1

NUMBERS PER 0.10 SQ M

REP	TARD	OSTR	CLAD	DECA	VELI	GAST	ISOP	PTER	COYP	TUNI	CMEG	BARN	BCYP	MEDU	GEGG	EGCA	FISH
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; MAJOR CATEGORES

DATE 2 JUN 1981, 1100 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	EGGS	NEMA	CILI	WORM	ROTI	CALA	HYDR	TUNI	TURB	CUMA	BCYP	FISH	ECTO	INSE	MEDU
1	1984	508	32	52	60	24	28	0	8	4	4	4	0	0	0	0	0
2	808	220	52	32	8	18	18	6	4	0	2	2	0	0	0	0	0
3	1006	192	46	24	14	20	10	16	2	6	0	0	6	2	2	2	0

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	EGGS	NEMA	CILI	WORM	ROTI	CALA	HYDR	TUNI	TURB	CUMA	BCYP	FISH	ECTO	INSE	MEDU
1	396.8	101.6	6.4	10.4	12.0	4.8	5.6	0.0	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0
2	161.6	44.0	10.4	6.4	1.6	3.6	3.6	1.2	0.8	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0
3	201.2	38.4	9.2	4.8	2.8	4.0	2.0	3.2	0.4	1.2	0.0	0.0	1.2	0.4	0.4	0.4	0.0
MEAN	253.2	61.3	8.7	7.2	5.5	4.1	3.7	1.5	0.9	0.7	0.4	0.4	0.4	0.1	0.1	0.1	0.0
SD	125.9	35.0	2.1	2.9	5.7	0.6	1.8	1.6	0.6	0.6	0.4	0.4	0.7	0.2	0.2	0.2	0.0
SE	72.7	20.2	1.2	1.7	3.3	0.4	1.0	0.9	0.4	0.4	0.2	0.2	0.4	0.1	0.1	0.1	0.0

TABLE 3
FRASER FORESHORE; SLED SAMPLES
MAJOR CATEGORIES
STATION 3 (ROBERTS BANK)

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 3 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHD = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

VELI = VELIGER

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 16 APR 1980, 1225 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	HARP	CNAU	AMPH	NEMA	CALA	EGGS	OSTR	GAST	WORM	EGCA	GEGG	BNAU	TURB	CLAD	MYSI	DECA	ISOP
1	44960	4800	576	198	128	32	0	0	32	0	0	32	0	0	0	0	0
2	54492	3200	960	256	320	64	128	128	64	64	64	0	0	0	0	0	0
3	84416	21312	960	448	192	256	64	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	HARP	CNAU	AMPH	NEMA	CALA	EGGS	OSTR	GAST	WORM	EGCA	GEGG	BNAU	TURB	CLAD	MYSI	DECA	ISOP
1	8992.0	960.0	115.2	39.6	25.6	6.4	0.0	0.0	6.4	0.0	0.0	6.4	0.0	0.0	0.0	0.0	0.0
2	10898.4	640.0	192.0	51.2	64.0	12.8	25.6	25.6	12.8	12.8	12.8	0.0	0.0	0.0	0.0	0.0	0.0
3	16883.2	4262.4	192.0	89.6	38.4	51.2	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	12257.9	1954.1	166.4	60.1	42.7	23.5	12.8	8.5	6.4	4.3	4.3	2.1	0.0	0.0	0.0	0.0	0.0
SD	4117.5	2005.4	44.3	26.2	19.6	24.2	12.8	14.8	6.4	7.4	7.4	3.7	0.0	0.0	0.0	0.0	0.0
SE	2377.2	1157.8	25.6	15.1	11.3	14.0	7.4	8.5	3.7	4.3	4.3	2.1	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 14 MAY 1980, 1110 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	HARP	CNAU	AMPH	CALA	EGGS	NEMA	GEGG	BCYP	GAST	ECTO	ACAR	ISOP	OSTR	WORM	TURB	DECA	NMRT
1	94720	37568	2560	1088	512	512	192	0	0	64	0	0	0	0	0	0	0
2	62656	51840	960	1024	512	256	192	0	0	64	64	0	64	0	0	0	0
3	54528	30144	1792	1152	704	64	128	320	128	0	0	64	0	64	0	0	0

NUMBERS PER 0.10 SQ M

REP	HARP	CNAU	AMPH	CALA	EGGS	NEMA	GEGG	BCYP	GAST	ECTO	ACAR	ISOP	OSTR	WORM	TURB	DECA	NMRT
1	18944.0	7513.6	512.0	217.6	102.4	102.4	38.4	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	12531.2	10368.0	192.0	204.8	102.4	51.2	38.4	0.0	0.0	12.8	12.8	0.0	12.8	0.0	0.0	0.0	0.0
3	10905.6	6028.8	358.4	230.4	140.8	12.8	25.6	64.0	25.6	0.0	0.0	12.8	0.0	12.8	0.0	0.0	0.0
MEAN	14126.9	7970.1	354.1	217.6	115.2	55.5	34.1	21.3	8.5	8.5	4.3	4.3	4.3	4.3	0.0	0.0	0.0
SD	4250.1	2205.3	160.0	12.8	22.2	45.0	7.4	37.0	14.8	7.4	7.4	7.4	7.4	7.4	0.0	0.0	0.0
SE	2453.8	1273.2	92.4	7.4	12.8	26.0	4.3	21.3	8.5	4.3	4.3	4.3	4.3	4.3	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 28 JUN 1980, 1115 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	ROTI	CNAU	HARP	NEMA	EGGS	BIVA	WORM	TUNI	AMPH	MEDU	BNAU	OSTR	CALA	ECTO	CLAD	CUMA	FORA
1	5152	2720	3200	1120	264	320	192	128	192	64	0	0	32	0	0	0	0
2	3920	3520	2576	736	632	272	240	128	176	56	16	48	32	40	0	16	16
3	5328	3696	3152	752	1440	288	240	336	112	32	112	80	0	16	32	16	16

RAW COUNTS

REP	HYDR	BCYP	GEGG	GAST	EGCA	ACAR	INSE	PTER	COYP	DECA	CMEG	BARN	MYSI	ISOP	VELI	TARD	FISH
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	8	24	16	16	8	8	0	0	0	0	0	0	0	0	0	0	0
3	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 28 JUN 1980, 1115 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	ROTI	CNAU	HARP	NEMA	EGGS	BIVA	WORM	TUNI	AMPH	MEDU	BNAU	OSTR	CALA	ECTO	CLAD	CUMA	FORA
1	1030.4	544.0	640.0	224.0	52.8	64.0	38.4	25.6	38.4	12.8	0.0	0.0	6.4	0.0	0.0	0.0	0.0
2	784.0	704.0	515.2	147.2	126.4	54.4	48.0	25.6	35.2	11.2	3.2	9.6	6.4	8.0	0.0	3.2	3.2
3	1065.6	739.2	630.4	150.4	288.0	57.6	48.0	67.2	22.4	6.4	22.4	16.0	0.0	3.2	6.4	3.2	3.2
MEAN	960.0	662.4	595.2	173.9	155.7	58.7	44.8	39.5	32.0	10.1	8.5	8.5	4.3	3.7	2.1	2.1	2.1
SD	153.4	104.0	69.4	43.4	120.3	4.9	5.5	24.0	8.5	3.3	12.1	8.1	3.7	4.0	3.7	1.8	1.8
SE	88.6	60.1	40.1	25.1	69.5	2.8	3.2	13.9	4.9	1.9	7.0	4.6	2.1	2.3	2.1	1.1	1.1

NUMBERS PER 0.10 SQ M

REP	HYDR	BCYP	GEGG	GAST	EGCA	ACAR	INSE	PTER	COYP	DECA	CMEG	BARN	MYSI	ISOP	VELI	TARD	FISH
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.6	4.8	3.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.6	2.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.9	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 5 SEP 1980, 825 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	ROTI	HARP	CNAU	NEMA	EGGS	CALA	AMPH	WORM	GAST	GEGG	HYDR	BNAU	OSTR	BIVA	CUMA	MEDU	TUNI
1	19360	14944	9280	4192	2080	1728	192	288	0	96	0	96	0	0	0	0	32
2	18122	19488	11232	4960	1850	1248	160	448	352	128	128	32	0	192	0	32	64
3	10908	9344	6720	2752	1088	1472	1664	64	192	256	64	64	192	0	128	64	0

NUMBERS PER 0.10 SQ M

REP	ROTI	HARP	CNAU	NEMA	EGGS	CALA	AMPH	WORM	GAST	GEGG	HYDR	BNAU	OSTR	BIVA	CUMA	MEDU	TUNI
1	3872.0	2988.8	1856.0	838.4	416.0	345.6	38.4	57.6	0.0	19.2	0.0	19.2	0.0	0.0	0.0	0.0	6.4
2	3624.4	3897.6	2246.4	992.0	370.0	249.6	32.0	89.6	70.4	25.6	25.6	6.4	0.0	38.4	0.0	6.4	12.8
3	2181.6	1868.8	1344.0	550.4	217.6	294.4	332.8	12.8	38.4	51.2	12.8	12.8	38.4	0.0	25.6	12.8	0.0
MEAN	3226.0	2918.4	1815.5	793.6	334.5	296.5	134.4	53.3	36.3	32.0	12.8	12.8	12.8	12.8	8.5	6.4	6.4
SD	912.9	1016.2	452.6	224.2	103.8	48.0	171.8	38.6	35.2	16.9	12.8	6.4	22.2	22.2	14.8	6.4	6.4
SE	527.1	586.7	261.3	129.4	60.0	27.7	99.2	22.3	20.4	9.8	7.4	3.7	12.8	12.8	8.5	3.7	3.7

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	CALA	NEMA	WORM	ROTI	TUNI	GAST	ECTO	EGGS	AMPH	BIVA	BNAU	CUMA	MEDU	FORA	OSTR
1	4928	3360	1664	384	352	352	64	32	160	64	32	32	0	32	32	32	0
2	7712	5760	5024	672	544	448	480	236	128	32	64	32	32	32	0	0	0
3	4120	2752	1920	416	256	144	112	96	16	32	16	16	32	0	0	0	16

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	CALA	NEMA	WORM	ROTI	TUNI	GAST	ECTO	EGGS	AMPH	BIVA	BNAU	CUMA	MEDU	FORA	OSTR
1	985.6	672.0	332.8	76.8	70.4	70.4	12.8	6.4	32.0	12.8	6.4	6.4	0.0	6.4	6.4	6.4	0.0
2	1542.4	1152.0	1004.8	134.4	108.8	89.6	96.0	47.2	25.6	6.4	12.8	6.4	6.4	6.4	0.0	0.0	0.0
3	824.0	550.4	384.0	83.2	51.2	28.8	22.4	19.2	3.2	6.4	3.2	3.2	6.4	0.0	0.0	0.0	3.2
MEAN	1117.3	791.5	573.9	98.1	76.8	62.9	43.7	24.3	20.3	8.5	7.5	5.3	4.3	4.3	2.1	2.1	1.1
SD	376.9	318.1	374.1	31.6	29 3	31.1	45.5	20.9	15.1	3.7	4.9	1.8	3.7	3.7	3.7	3.7	1.8
SE	217.6	183.7	216.0	18.2	16.9	17.9	26.3	12.0	8.7	2.1	2.8	1.1	2.1	2.1	2.1	2.1	1.1

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 28 OCT 1980, 120 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	HARP	CNAU	CALA	NEMA	AMPH	CUMA	WORM	OSTR	TUNI	EGGS	ECTO	ISOP	ROTI	BIVA	BCYP	ACAR	NMRT
1	1888	688	280	168	72	128	56	0	8	16	16	0	0	8	8	0	0
2	2024	720	176	168	48	40	16	24	24	0	8	8	8	0	0	0	0
3	2000	968	296	80	120	48	16	24	16	16	0	8	8	0	0	8	0

NUMBERS PER 0.10 SQ M

REP	HARP	CNAU	CALA	NEMA	AMPH	CUMA	WORM	OSTR	TUNI	EGGS	ECTO	ISOP	ROTI	BIVA	BCYP	ACAR	NMRT
1	377.6	137.6	56.0	33.6	14.4	25.6	11.2	0.0	1.6	3.2	3.2	0.0	0.0	1.6	1.6	0.0	0.0
2	404.8	144.0	35.2	33.6	9.6	8.0	3.2	4.8	4.8	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0
3	400.0	193.6	59.2	16.0	24.0	9.6	3.2	4.8	3.2	3.2	0.0	1.6	1.6	0.0	0.0	1.6	0.0
MEAN	394.1	158.4	50.1	27.7	16.0	14.4	5.9	3.2	3.2	2.1	1.6	1.1	1.1	0.5	0.5	0.5	0.0
SD	14.5	30.7	13.0	10.2	7.3	9.7	4.6	2.8	1.6	1.8	1.6	0.9	0.9	0.9	0.9	0.9	0.0
SE	8.4	17.7	7.5	5.9	4.2	5.6	2.7	1.6	0.9	1.1	0.9	0.5	0.5	0.5	0.5	0.5	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 17 NOV 1980, 600 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	CNAU	CALA	NEMA	HARP	OSTR	EGGS	TUNI	BIVA	WORM	AMPH	CUMA	GAST	ROTI	DECA	ECTO	ISOP	FORA
1	2916	936	760	536	80	24	20	20	24	20	12	8	0	16	12	0	4
2	2920	780	412	452	52	36	44	20	24	8	4	8	8	0	8	8	0
3	2500	868	356	400	44	44	16	28	20	12	16	8	16	4	0	0	0

RAW COUNTS

REP	HYDR	BNAU	CLAD	EGCA	MYSI	VELI	INSE	PTER	COYP	ACAR	CMEG	BARN	BCYP	MEDU	GEGG	TARD	FISH
1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 17 NOV 1980, 600 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	CALA	NEMA	HARP	OSTR	EGGS	TUNI	BIVA	WORM	AMPH	CUMA	GAST	ROTI	DECA	ECTO	ISOP	FORA
1	583.2	187.2	152.0	107.2	16.0	4.8	4.0	4.0	4.8	4.0	2.4	1.6	0.0	3.2	2.4	0.0	0.8
2	584.0	156.0	82.4	90.4	10.4	7.2	8.8	4.0	4.8	1.6	0.8	1.6	1.6	0.0	1.6	1.6	0.0
3	500.0	173.6	71.2	80.0	8.8	8.8	3.2	5.6	4.0	2.4	3.2	1.6	3.2	0.8	0.0	0.0	0.0
MEAN	555.7	172.3	101.9	92.5	11.7	6.9	5.3	4.5	4.5	2.7	2.1	1.6	1.6	1.3	1.3	0.5	0.3
SD	48.3	15.6	43.8	13.7	3.8	2.0	3.0	0.9	0.5	1.2	1.2	0.0	1.6	1.7	1.2	0.9	0.5
SE	27.9	9.0	25.3	7.9	2.2	1.2	1.7	0.5	0.3	0.7	0.7	0.0	0.9	1.0	0.7	0.5	0.3

NUMBERS PER 0.10 SQ M

REP	HYDR	BNAU	CLAD	EGCA	MYSI	VELI	INSE	PTER	COYP	ACAR	CMEG	BARN	BCYP	MEDU	GEGG	TARD	FISH
1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 0	0.0
SD	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont')

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 9 DEC 1980. 15 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	HARP	CNAU	CYCL	AMPH	NEMA	EGGS	OSTR	CALA	ECTO	WORM	CUMA	INSE	GAST	ISOP	TUNI	HYDR	MYSI
1	1644	728	486	128	144	32	20	22	0	12	4	12	4	0	0	4	0
2	1672	804	654	254	156	12	20	14	12	8	8	4	0	4	0	0	0
3	1652	648	512	164	180	32	12	12	12	0	8	0	8	4	4	0.	0

NUMBERS PER 0.10 SQ M

REP	HARP	CNAU	CYCL	AMPH	NEMA	EGGS	OSTR	CALA	ECTO	WORM	CUMA	INSE	GAST	ISOP	TUNI	HYDR	MYSI
1	328.8	145.6	97.2	25.6	28.8	6.4	4.0	4.4	0.0	2.4	0.8	2.4	0.8	0.0	0.0	0.8	0.0
2	334.4	160.8	130.8	50.8	31.2	2.4	4.0	2.8	2.4	1.6	1.6	0.8	0.0	0.8	0.0	0.0	0.0
3	330.4	129.6	102.4	32.8	36.0	6.4	2.4	2.4	2.4	0.0	1.6	0.0	1.6	0.8	0.8	0.0	0.0
MEAN	331.2	145.3	110.1	36.4	32.0	5.1	3.5	3.2	1.6	1.3	1.3	1.1	0.8	0.5	0.3	0.3	0.0
SD	2.9	15.6	18.1	13.0	3.7	2.3	0.9	1.1	1.4	1.2	0.5	1.2	0.8	0.5	0.5	0.5	0.0
SE	1.7	9.0	10.4	7.5	2.1	1.3	0.5	0.6	0.8	0.7	0.3	0.7	0.5	0.3	0.3	0.3	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 22 JAN 1981, 25 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	HARP	CNAU	NEMA	EGGS	WORM	ROTI	OSTR	CALA	CUMA	ECTO	FORA	AMPH	ISOP	INSE	DECA	TURB	VELI
1	320	116	272	116	80	40	72	28	8	16	12	0	0	1	0	0	0
2	644	260	300	288	92	64	4	28	32	8	0	8	4	0	0	0	0
3	604	404	184	160	116	128	16	28	24	8	16	12	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	HARP	CNAU	NEMA	EGGS	WORM	ROTI	OSTR	CALA	CUMA	ECTO	FORA	AMPH	ISOP	INSE	DECA	TURB	VELI
1	64.0	23.2	54.4	23.2	16.0	8.0	14.4	5.6	1.6	3.2	2.4	0.0	0.0	0.2	0.0	0.0	0.0
2	128.8	52.0	60.0	57.6	18.4	12.8	0.8	5.6	6.4	1.6	0.0	1.6	0.8	0.0	0.0	0.0	0.0
3	120.8	80.8	36.8	32.0	23.2	25.6	3.2	5.6	4.8	1.6	3.2	2.4	0.0	0.0	0.0	0.0	0.0
MEAN	104.5	52.0	50.4	37.6	19.2	15.5	6.1	5.6	4.3	2.1	1.9	1.3	0.3	0.1	0.0	0.0	0.0
SD	35.3	28.8	12.1	17.9	3.7	9.1	7.3	0.0	2.4	0.9	1.7	1.2	0.5	0.1	0.0	0.0	0.0
SE	20.4	16.6	7.0	10.3	2.1	5.3	4.2	0.0	1.4	0.5	1.0	0.7	0.3	0.1	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 16 FEB 1981, 2115 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	EGGS	CNAU	HARP	NEMA	EGCA	WORM	ROTI	AMPH	GAST	CALA	CUMA	OSTR	ACAR	FORA	ECTO	HYDR	CLAD
1	282	154	225	159	286	28	14	11	0	6	3	3	0	0	0	0	0
2	436	434	214	268	0	36	40	10	10	8	0	4	0	0	2	2	0
3	520	238	264	226	6	24	26	0	8	4	12	2	4	2	0	0	0

NUMBERS PER 0.10 SQ M

REP	EGGS	CNAU	HARP	NEMA	EGCA	WORM	ROTI	AMPH	GAST	CALA	CUMA	OSTR	ACAR	FORA	ECTO	HYDR	CLAD
1	56.4	30.8	45.0	31.8	57.2	5.6	2.8	2.2	0.0	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0
2	87.2	86.8	42.8	53.6	0.0	7.2	8.0	2.0	2.0	1.6	0.0	0.8	0.0	0.0	0.4	0.4	0.0
3	104.0	47.6	52.8	45.2	1.2	4.8	5.2	0.0	1.6	0.8	2.4	0.4	0.8	0.4	0.0	0.0	0.0
MEAN	82.5	55.1	46.9	43.5	19.5	5.9	5.3	1.4	1.2	1.2	1.0	0.6	0.3	0.1	0.1	0.1	0.0
SD	24.1	28.7	5.3	11.0	32.7	1.2	2.6	1.2	1.1	0.4	1.2	0.2	0.5	0.2	0.2	0.2	0.0
SE	13.9	16.6	3.0	6.3	18.9	0.7	1.5	0.7	0.6	0.2	0.7	0.1	0.3	0.1	0.1	0.1	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 5 MAR 1981, 2230 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	CALA	EGGS	NEMA	WORM	GAST	ROTI	ECTO	BNAU	CUMA	AMPH	OSTR	GEGG	TUNI	ACAR	TURB
1	5985	3767	308	263	164	162	46	79	68	18	57	63	0	39	9	2	1
2	8468	5888	608	424	536	200	192	104	96	96	56	24	64	16	16	8	8
3	7552	4328	632	336	304	432	136	72	48	88	64	48	8	0	0	0	0

RAW COUNTS

REP	ISOP	CILI	CLAD	PTER	NMRT	DECA	INSE	MYSI	COYP	HYDR	EGCA	BARN	BCYP	CMEG	VELI	TARD	FISH
1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORIES

DATE 5 MAR 1981, 2230 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	CALA	EGGS	NEMA	WORM	GAST	ROTI	ECTO	BNAU	CUMA	AMPH	OSTR	GEGG	TUNI	ACAR	TURB
1	1197.0	753.4	61.6	52.6	32.8	32.4	9.2	15.8	13.6	3.6	11.4	12.6	0.0	7.8	1.8	0.4	0.2
2	1693.6	1177.6	121.6	84.8	107.2	40.0	38.4	20.8	19.2	19.2	11.2	4.8	12.8	3.2	3.2	1.6	1.6
3	1510.4	865.6	126.4	67.2	60.8	86.4	27.2	14.4	9.6	17.6	12.8	9.6	1.6	0.0	0.0	0.0	0.0
MEAN	1467.0	932.2	103.2	68.2	66.9	52.9	24.9	17.0	14.1	13.5	11.8	9.0	4.8	3.7	1.7	0.7	0.6
SD	251.1	219.8	36.1	16.1	37.6	29.2	14.7	3.4	4.8	8.6	0.9	3.9	7.0	3.9	1.6	0.8	0.9
SE	145.0	126.9	20.8	9.3	21.7	16.9	8.5	1.9	2.8	5.0	0.5	2.3	4.0	2.3	0.9	0.5	0.5

NUMBERS PER 0.10 SQ M

REP	ISOP	CILI	CLAD	PTER	NMRT	DECA	INSE	MYSI	COYP	HYDR	EGCA	BARN	BCYP	CMEG	VELI	TARD	FISH
1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.6	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.9	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

DATE 9 APR 1981, 1500 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	HARP	EGGS	NEMA	CALA	ROTI	GAST	TURB	GEGG	AMPH	BNAU	OSTR	WORM	ECTO	CILI	BCYP	ACAR
1	3584	4408	1264	368	224	64	128	128	160	112	48	128	80	16	0	0	16
2	4448	3808	1648	256	256	144	176	64	80	32	64	0	0	32	16	32	0
3	4864	4112	1936	240	240	272	96	160	48	80	16	0	16	32	16	0	0

RAW COUNTS

REP	TUNI	CLAD	DECA	EGCA	NMRT	TARD	INSE	PTER	COYP	HYDR	CMEG	BARN	MYSI	ISOP	VELI	CUMA	FISH
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 9 APR 1981, 1500 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	HARP	EGGS	NEMA	CALA	ROTI	GAST	TURB	GEGG	AMPH	BNAU	OSTR	WORM	ECTO	CILI	BCYP	ACAR
1	716.8	881.6	252.8	73.6	44.8	12.8	25.6	25.6	32.0	22.4	9.6	25.6	16.0	3.2	0.0	0.0	3.2
2	889.6	761.6	329.6	51.2	51.2	28.8	35.2	12.8	16.0	6.4	12.8	0.0	0.0	6.4	3.2	6.4	0.0
3	972.8	822.4	387.2	48.0	48.0	54.4	19.2	32.0	9.6	16.0	3.2	0.0	3.2	6.4	3.2	0.0	0.0
MEAN	859.7	821.9	323.2	57.6	48.0	32.0	26.7	23.5	19.2	14.9	8.5	8.5	6.4	5.3	2.1	2.1	1.1
SD	130.6	60.0	67.4	13.9	3.2	21.0	8.1	9.8	11.5	8.1	4.9	14.8	8.5	1.8	1.8	3.7	1.8
SE	75.4	34.6	38.9	8.1	1.8	12.1	4.6	5.6	6.7	4.6	2.8	8.5	4.9	1.1	1.1	2.1	1.1

NUMBERS PER 0.10 SQ M

REP	TUNI	CLAD	DECA	EGCA	NMRT	TARD	INSE	PTER	COYP	HYDR	CMEG	BARN	MYSI	ISOP	VELI	CUMA	FISH
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 6 MAY 1981, 1200 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	CNAU	EGGS	HARP	NEMA	ECTO	CILI	AMPH	GEGG	TURB	TUNI	CALA	BNAU	CUMA	GAST	WORM	INSE	NMRT
1	17904	4572	4720	144	112	112	128	96	96	64	0	16	0	16	0	0	16
2	24272	18256	5440	96	80	112	32	16	16	64	48	16	48	0	16	16	0
3	16496	10288	3696	80	128	0	0	32	32	16	64	32	16	16	16	0	0

RAW COUNTS

REP	MEDU	MYSI	EGCA	CLAD	ROTI	DECA	ISOP	PTER	COYP	HYDR	CMEG	BARN	BCYP	ACAR	VELI	TARD	FISH
1	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 6 MAY 1981, 1200 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	CNAU	EGGS	HARP	NEMA	ECTO	CILI	AMPH	GEGG	TURB	TUNI	CALA	BNAU	CUMA	GAST	WORM	INSE	NMRT
1	3580.8	914.4	944.0	28.8	22.4	22.4	25.6	19.2	19.2	12.8	0.0	3.2	0.0	3.2	0.0	0.0	3.2
2	4854.4	3651.2	1088.0	19.2	16.0	22.4	6.4	3.2	3.2	12.8	9.6	3.2	9.6	0.0	3.2	3.2	0.0
3	3299.2	2057.6	739.2	16.0	25.6	0.0	0.0	6.4	6.4	3.2	12.8	6.4	3.2	3.2	3.2	0.0	0.0
MEAN	3911.5	2207.7	923.7	21.3	21.3	14.9	10.7	9.6	9.6	9.6	7.5	4.3	4.3	2.1	2.1	1.1	1.1
SD	828.7	1374.6	175.3	6.7	4.9	12.9	13.3	8.5	8.5	5.5	6.7	1.8	4.9	1.8	1.8	1.8	1.8
SE	478.4	793.6	101.2	3.8	2.8	7.5	7.7	4.9	4.9	3.2	3.8	1.1	2.8	1.1	1.1	1.1	1.1

NUMBERS PER 0.10 SQ M

REP	MEDU	MYSI	EGCA	CLAD	ROTI	DECA	ISOP	PTER	COYP	HYDR	CMEG	BARN	BCYP	ACAR	VELI	TARD	FISH
1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

DATE 1 JUN 1981, 1000 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	HARP	CNAU	EGGS	CALA	TUNI	CILI	ROTI	NEMA	MEDU	GAST	BNAU	TURB	HYDR	ACAR	OSTR	WORM	CLAD
1	20832	6112	1056	1632	160	576	0	80	32	32	32	32	32	32	0	0	0
2	10560	6048	928	160	320	320	320	64	64	32	0	32	32	0	0	0	0
3	8032	5536	1184	96	640	160	416	192	224	64	64	0	0	0	32	32	0

NUMBERS PER 0.10 SQ M

REP	HARP	CNAU	EGGS	CALA	TUNI	CILI	ROTI	NEMA	MEDU	GAST	BNAU	TURB	HYDR	ACAR	OSTR	WORM	CLAD
1	4166.4	1222.4	211.2	326.4	32.0	115.2	0.0	16.0	6.4	6.4	6.4	6.4	6.4	6.4	0.0	0.0	0.0
2	2112.0	1209.6	185.6	32.0	64.0	64.0	64.0	12.8	12.8	6.4	0.0	6.4	6.4	0.0	0.0	0.0	0.0
3	1606.4	1107.2	236.8	19.2	128.0	32.0	83.2	38.4	44.8	12.8	12.8	0.0	0.0	0.0	6.4	6.4	0.0
MEAN	2628.3	1179.7	211.2	125.9	74.7	70.4	49.1	22.4	21.3	8.5	6.4	4.3	4.3	2.1	2.1	2.1	0.0
SD	1355.8	63.1	25.6	173.8	48.9	42.0	43.6	13.9	20.6	3.7	6.4	3.7	3.7	3.7	3.7	3.7	0.0
SE	782.8	36.5	14.8	100.3	28.2	24.2	25.2	8.1	11.9	2.1	3.7	2.1	2.1	2.1	2.1	2.1	0.0

TABLE 4
FRASER FORESHORE; SLED SAMPLES
MAJOR CATEGORIES
AVERAGED OVER ALL SAMPLES

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
HARP	HARPACTICOID COPEPODS
CALA	CALANOID COPEPODS
CNAU	COPEPOD NAUPLII
NEMA	NEMATODES
WORM	WORMS
AMPH	AMPHIPODS
EGGS	UNIDENTIFIED EGGS
BIVA	BIVALVES
FORA	FORAMS
ECTO	ECTOPROCTS
CUMA	CUMACEANS
GEGG	GASTROPOD EGGS
OSTR	OSTRACODS
BCYP	BARNACLE CYPRIS
BARN	BARNACLE
CMEG	CRAB MEGALOPS
HYDR	HYDROIDS
COYP	COLONIAL POLYP
PTER	PTEROPOD
ACAR	ACARINA
GAST	GASTROPODS
ROTI	ROTIFER
INSE	INSECT
TUNI	TUNICATES
BNAU	BARNACLE NAUPLII
EGCA	UNIDENTIFIED EGG CASE
ISOP	ISOPODS

Table 4 (cont'd)

MEDU = MEDUSAE

MYSI = MYSIDS

CLAD = CLADOCERANS

DECA = DECAPODS

CYCL = CYCLOPOID COPEPODS

ECHL = ECHINODERM LARVAE

PARA = PARASITIC COPEPODS

ECHO = ECHINODERMS

CRZO = CRAB ZOEA

CILI = CILIATES

LVIN = LARVAL INSECTS

TURB = TURBELLARIAN

NMRT = NEMERTINES

FISH = FISH

TARD = TARDIGRADA

VELI = VELIGER

Table 4 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION 1

N= 39

STAT	CNAU	NEMA	HARP	EGGS	WORM	ROTI	CALA	PARA	TURB	CILI	MYSI	ECTO	CUMA	AMPH	BIVA	HYDR	BNAU
MEAN	578.2	272.6	228.2	165.1	26.9	21.6	18.3	8.6	7.2	6.4	2.7	2.2	2.1	1.3	1.1	0.6	0.5
SD	1111.6	713.6	455.4	453.5	59.8	29.5	23.7	17.3	11.1	17.0	6.2	4.5	3.8	2.4	5.4	2.0	1.1
SE	178.0	114.3	72.9	72.6	9.6	4.7	3.8	2.8	1.8	2.7	1.0	0.7	0.6	0.4	0.9	0.3	0.2
V/MEAN	2137.1	1867.7	908.6	1245.6	133.0	40.2	30.7	34.5	17.2	45.3	14.3	9.3	6.9	4.1	27.1	6.5	2.7
S/MEAN	1.9	2.6	2.0	2.7	2.2	1.4	1.3	2.0	1.5	2.7	2.3	2.1	1.8	1.8	5.0	3.3	2.4
S/M*M	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.4	0.9	1.0	0.9	1.3	4.7	5.5	4.9

STAT	OSTR	TUNI	CLAD	FISH	ACAR	CRZO	GAST	BCYP	FORA	INSE	ECHD	ISOP	MEDU	CMEG	EGCA	TARD	DECA
MEAN	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.1	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
SE	0.2	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	2.9	1.6	1.5	2.0	2.1	0.6	0.9	1.2	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0
S/MEAN	2.6	2.1	2.2	2.8	3.1	2.2	2.7	4.5	3.8	4.1	3.5	3.5	3.5	0.0	0.0	0.0	0.0
S/M*M	5.9	5.7	7.3	11.3	14.9	16.4	23.3	80.2	123.9	158.8	228.1	228.1	228.1	0.0	0.0	0.0	0.0

Table 4 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION 2

N= 36

STAT	CNAU	ROTI	HARP	EGGS	WORM	TURB	CALA	NEMA	PARA	CILI	TUNI	OSTR	AMPH	MYSI	ECTO	CUMA	GAST
MEAN	981.1	537.6	62.0	24.4	17.8	17.6	14.9	10.0	7.7	5.4	1.5	1.2	0.8	0.6	0.5	0.4	0.2
SD	3292.1	1840.8	106.0	30.8	42.3	11.9	25.4	10.8	17.8	12.3	3.7	2.8	1.9	1.2	0.7	0.8	0.8
SE	548.7	306.8	17.7	5.1	7.0	2.0	4.2	1.8	3.0	2.1	0.6	0.5	0.3	0.2	0.1	0.1	0.1
V/MEAN	11046.0	6303.8	181.3	38.8	100.5	8.1	43.3	11.7	41.1	28.3	9.1	6.7	5.0	2.1	1.0	1.6	2.6
S/MEAN	3.4	3.4	1.7	1.3	2.4	0.7	1.7	1.1	2.3	2.3	2.5	2.4	2.6	1.8	1.5	2.0	3.3
S/M*M	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.3	0.4	1.7	2.1	3.4	2.9	3.1	4.9	13.0

STAT	DECA	ACAR	BCYP	CLAD	FORA	HYDR	INSE	ECHL	BNAU	BIVA	FISH	TARD	GEGG	ECHD	VELI	EGCA	ISOP
MEAN	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.9	0.7	0.5	0.6	0.3	0.3	0.3	0.3	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0
SE	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	3.9	2.4	1.8	2.3	0.9	1.0	0.9	1.3	0.4	1.3	0.3	0.4	0.4	0.2	0.0	0.0	0.0
S/MEAN	4.2	3.5	3.5	3.9	2.8	2.9	3.2	4.6	2.7	4.8	3.1	4.2	6.0	4.2	0.0	0.0	0.0
S/M*M	18.8	18.0	23.2	26.1	22.7	26.4	36.0	75.5	44.0	87.1	110.0	188.2	540.0	376.3	0.0	0.0	0.0

Table 4 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: MAJOR CATEGORES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION 3

N= 42

STAT	HARP	CNAU	ROTI	EGGS	CALA	NEMA	AMPH	CYCL	WORM	TUNI	GAST	GEGG	CILI	BIVA	ECTO	OSTR	BNAU
MEAN	2640.4	1564.6	312.2	255.9	118.0	114.6	56.2	26.0	20.4	13.3	10.3	7.4	6.3	5.8	5.7	5.7	4.5
SD	4659.4	2175.4	878.4	637.3	181.3	202.0	111.0	47.7	27.8	27.3	16.2	13.0	20.8	16.1	8.4	8.6	6.3
SE	719.0	335.7	135.5	98.3	28.0	31.2	17.1	7.4	4.3	4.2	2.5	2.0	3.2	2.5	1.3	1.3	1.0
V/MEAN	8222.2	3024.8	2471.8	1587.5	278.5	356.0	219.4	87.2	37.9	56.2	25.4	22.9	69.3	44.1	12.4	13.0	8.9
S/MEAN	1.8	1.4	2.8	2.5	1.5	1.8	2.0	1.8	1.4	2.1	1.6	1.8	3.3	2.7	1.5	1.5	1.4
S/M*M	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.5	0.5	0.3	0.3	0.3

STAT	CUMA	MEDU	TURB	EGCA	BCYP	HYDR	ACAR	CLAD	ISOP	FORA	INSE	DECA	NMRT	TARD	FISH	PTER	MYSI
MEAN	3.9	3.8	2.9	2.0	1.8	1.4	0.7	0.6	0.6	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0
SD	6.2	7.9	7.1	9.1	9.9	4.5	2.2	1.9	2.0	1.3	0.6	0.5	0.5	0.1	0.0	0.0	0.0
SE	1.0	1.2	1.1	1.4	1.5	0.7	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
V/MEAN	9.8	16.4	17.4	41.0	53.6	14.8	7.4	5.9	7.3	3.6	2.4	2.7	3.2	0.4	0.2	0.2	0.0
S/MEAN	1.6	2.1	2.5	4.5	5.4	3.3	3.3	3.1	3.6	2.8	3.9	5.3	6.5	4.5	4.5	6.5	0.0
S/M*M	0.4	0.5	0.9	2.2	3.0	2.4	4.9	5.0	6.6	6.0	25.0	55.8	85.1	237.6	475.3	1361.0	0.0

Table 4 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; MAJOR CATEGORES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION ALL

N=117

STAT	CNAU	HARP	ROTI	EGGS	NEMA	CALA	WORM	AMPH	CYCL	TURB	CILI	TUNI	PARA	GAST	ECTO	GEGG	OSTR
MEAN	1056.3	1043.0	284.7	154.4	135.1	53.0	21.8	20.9	9.3	8.8	6.0	5.3	5.3	3.8	2.9	2.7	2.6
SD	2349.4	3031.6	1157.1	469.3	438.9	119.9	44.7	71.2	31.0	11.8	17.1	17.4	14.5	10.8	6.1	8.5	5.9
SE	217.2	280.3	107.0	43.4	40.6	11.1	4.1	6.6	2.9	1.1	1.6	1.6	1.3	1.0	0.6	0.8	0.5
V/MEAN	5225.6	8811.6	4703.2	1426.5	1425.8	271.1	91.8	243.0	102.7	15.7	48.8	56.8	39.8	30.6	12.6	27.3	13.6
S/MEAN	2.2	2.9	4.1	3.0	3.2	2.3	2.1	3.4	3.3	1.3	2.8	3.3	2.8	2.8	2.1	3.2	2.3
S/M*M	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.2	0.5	0.6	0.5	0.7	0.7	1.2	0.9

STAT	BIVA	CUMA	BNAU	MEDU	MYSI	EGCA	HYDR	BCYP	ACAR	CLAD	FORA	ISOP	DECA	FISH	INSE	CRZO	NMRT
MEAN	2.5	2.2	1.8	1.4	1.1	0.7	0.7	0.7	0.4	0.4	0.2	0.2	0.1	0.1	0.1	0.0	0.0
SD	10.4	4.5	4.3	5.1	3.8	5.5	3.0	6.0	1.4	1.3	0.8	1.2	0.6	0.4	0.4	0.2	0.3
SE	1.0	0.4	0.4	0.5	0.4	0.5	0.3	0.6	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
V/MEAN	43.4	9.2	10.5	18.5	13.2	41.7	12.0	49.2	5.6	4.3	3.1	7.3	3.5	1.9	1.8	0.7	3.2
S/MEAN	4.2	2.0	2.4	3.7	3.5	7.6	4.1	8.3	3.9	3.4	3.8	6.0	5.8	4.4	4.4	4.0	10.8
S/M*M	1.7	0.9	1.4	2.6	3.2	10.3	5.6	11.4	10.4	9.3	17.7	29.5	57.0	46.4	47.8	90.3	395.5

TABLE 5
FRASER FORESHORE; SLED SAMPLES
HARPICTICOID SPECIES
STATION 1 (IONA)

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMDI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 5 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA
HEDI = HETEROLAOPHONTE DISCOPHORA
HEHA = HETEROLAOPHONTE HAMONDI
HEVA = HETEROLAOPHONTE VARIABILIS
HASPI = HARPACTICUS SPINULOSUS
LEVA = LEIMIA VAGA
LOAM = LONGIPEDIA AMERICANA
LECO = LEPTASTACUS CONSTRICTUS
LASP = LAOPHONTID SPECIES
LESP = LEPTOCARIS SPECIES
LIBE = LIMNOCLETODES BEHNINGI
MILI = MICROARTHRIDION LITTORALE
MESP = MESOCHRA SPECIES
MISP = MICROSETELLA SPECIES
MIRO = MICROSETELLA ROSEA
MEPY = MESOCHRA PYGMAEA
NISPA = NITOCRA SPINIPES ARMATA
PSES = PSEUDONYCHOCAMPTUS SPINIFER
PAPA = PARALAOPHONTE PACIFICA
PSMI = PSYLLOCAMPTUS MINUTUS
PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES
PAVE = PARALEPTASTACUS VERMICULARIS
PRSI = PROAMEIRA SIMPLEX
PAHO = PARASTENHELIA HORNELLI
PASP = PARALEPTASTICUS SPECIES
PACOC = PARALAOPHONTE CONGENERA CONGENERA
PASPI = PARALEPTASTICUS SPINICAUDA
ROPR = ROBERTSONIA PROPINQUA
ROHO = ROBERTGURNEYA HOPKINSI
RODI = ROBERTGURNEYA DIVERSA

Table 5 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 17 APR 1980, 1805 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	TISP	FAEC	MEPY	DIUN	SCKN	DASP	MILI	HASP	SASP	MISP	PSES	HUSP	AMSP	AMESP	STDSP
1	480	6	2	1	0	0	1	0	1	0	0	0	0	0	0	1	0
2	13184	62	53	5	2	2	1	2	0	1	1	1	1	0	0	0	0
3	1794	47	25	5	3	2	5	1	7	2	0	0	0	6	4	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	TISP	FAEC	MEPY	DIUN	SCKN	DASP	MILI	HASP	SASP	MISP	PSES	HUSP	AMSP	AMESP	STDSP
1	96.0	48.0	16.0	8.0	0.0	0.0	8.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0
2	2636.8	1248.0	1066.8	100.6	40.3	40.3	20.1	40.3	0.0	20.1	20.1	20.1	20.1	0.0	0.0	0.0	0.0
3	358.8	157.6	83.8	16.8	10.1	6.7	16.8	3.4	23.5	6.7	0.0	0.0	0.0	20.1	13.4	0.0	0.0
MEAN	1030.5	484.5	388.9	41.8	16.8	15.7	15.0	14.5	10.5	8.9	6.7	6.7	6.7	6.7	4.5	2.7	0.0
SD	1397.3	663.4	588.1	51.1	21.0	21.6	6.3	22.3	11.9	10.2	11.6	11.6	11.6	11.6	7.7	4.6	0.0
SE	806.7	383.0	339.5	29.5	12.1	12.5	3.6	12.9	6.9	5.9	6.7	6.7	6.7	6.7	4.5	2.7	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 16 MAY 1980, 1235 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	LEVA	UCOP	FAEC	MILI	TISP	TATR	HUSP	AMSP	PASP	DAVU	STAS	TAIN	STDSP	SASP	KLSP	TESP
1	610	77	10	3	4	3	0	2	1	1	0	0	0	0	0	0	0
2	423	93	12	8	1	0	2	0	1	0	0	0	0	0	0	0	0
3	704	75	36	6	7	1	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	LEVA	UCOP	FAEC	MILI	TISP	TATR	HUSP	AMSP	PASP	DAVU	STAS	TAIN	STDSP	SASP	KLSP	TESP
1	122.0	93.0	12.1	3.6	4.8	3.6	0.0	2.4	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	84.6	67.2	8.7	5.8	0.7	0.0	1.4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	140.8	83.8	40.2	6.7	7.8	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	115.8	81.4	20.3	5.4	4.5	1.6	0.9	0.8	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	28.6	13.1	17.3	1.6	3.6	1.9	0.8	1.4	0.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	16.5	7.5	10.0	0.9	2.1	1.1	0.4	0.8	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 26 JUN 1980, 1005 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	TATR	SCCA	UCOP	MILI	HUSP	SASP	HELIL	FAEC	LEVA	SCKN	DAVU	TESP	STDSP	TAIN	TISP	STAS
1	551	57	30	51	2	1	0	1	0	1	1	0	0	0	0	0	0
2	1999	60	33	9	2	1	1	1	1	0	0	0	0	0	0	0	0
3	553	80	31	19	0	1	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	TATR	SCCA	UCOP	MILI	HUSP	SASP	HELIL	FAEC	LEVA	SCKN	DAVU	TESP	STDSP	TAIN	TISP	STAS
1	110.2	43.6	23.0	39.0	1.5	0.8	0.0	0.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
2	399.8	222.1	122.2	33.3	7.4	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	110.6	67.0	26.0	15.9	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	206.9	110.9	57.0	29.4	3.0	1.8	1.5	1.5	1.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
SD	167.1	97.0	56.4	12.0	3.9	1.7	1.9	2.0	2.1	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
SE	96.5	56.0	32.6	6.9	2.3	1.0	1.1	1.1	1.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; HARPACTICOID SPECIES

DATE 4 SEP 1980, 730 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	TATR	UCOP	SCCA	MILI	FAEC	LEVA	DASP	HUSP	HEVA	MEPY	SCKN	DIUN	ZASP	HASP	AMSP	TAIN
1	140	59	11	7	5	0	14	7	3	3	3	0	2	2	1	1	0
2	216	95	6	4	2	10	0	0	0	0	0	2	0	0	0	0	0
3	208	65	11	8	6	0	0	0	1	1	1	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	TATR	UCOP	SCCA	MILI	FAEC	LEVA	DASP	HUSP	HEVA	MEPY	SCKN	DIUN	ZASP	HASP	AMSP	TAIN
1	28.0	14.0	2.6	1.7	1.2	0.0	3.3	1.7	0.7	0.7	0.7	0.0	0.5	0.5	0.2	0.2	0.0
2	43.2	34.5	2.2	1.5	0.7	3.6	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0
3	41.6	29.1	4.9	3.6	2.7	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	37.6	25.9	3.2	2.2	1.5	1.2	1.1	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.1	0.1	0.0
SD	8.4	10.6	1.5	1.2	1.0	2.1	1.9	1.0	0.4	0.4	0.4	0.4	0.3	0.3	0.1	0.1	0.0
SE	4.8	6.1	0.9	0.7	0.6	1.2	1.1	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; HARPACTICOID SPECIES

DATE 22 SEP 1980. 920 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	SCCA	MEPY	UCOP	TATR	AMNO	FAEC	PASP	HUSP	HEVA	MILI	HASP	DASP	TAIN	STDSP	STPE	TESP
1	236	40	13	5	7	2	0	2	0	0	1	0	0	0	0	0	0
2	88	41	11	10	1	0	4	0	0	0	0	0	1	0	0	0	0
3	203	43	12	4	5	1	1	0	2	2	0	1	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	SCCA	MEPY	UCOP	TATR	AMNO	FAEC	PASP	HUSP	HEVA	MILI	HASP	DASP	TAIN	STDSP	STPE	TESP
1	47.2	27.0	8.8	3.4	4.7	1.3	0.0	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
2	17.6	10.6	2.8	2.6	0.3	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
3	40.6	24.6	6.9	2.3	2.9	0.6	0.6	0.0	1.1	1.1	0.0	0.6	0.0	0.0	0.0	0.0	0.0
MEAN	35.1	20.7	6.2	2.7	2.6	0.6	0.5	0.4	0.4	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0
SD	15.5	8.8	3.0	0.6	2.2	0.7	0.5	0.8	0.7	0.7	0.4	0.3	0.1	0.0	0.0	0.0	0.0
SE	9.0	5.1	1.7	0.3	1.3	0.4	0.3	0.4	0.4	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 30 OCT 1980. 355 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	TATR	UCOP	FAEC	SCCA	MEPY	HUSP	LEVA	PASP	TISP	ZASP	DIUN	PACOC	STDSP	SASP	DAVU	TAIN
1	2936	63	25	17	2	0	1	1	0	0	0	0	1	0	0	0	0
2	3208	69	19	10	5	8	0	0	1	1	1	1	0	0	0	0	0
3	2416	59	9	23	10	2	7	3	1	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	TATR	UCOP	FAEC	SCCA	MEPY	HUSP	LEVA	PASP	TISP	ZASP	DIUN	PACOC	STDSP	SASP	DAVU	TAIN
1	587.2	336.3	133.5	90.7	10.7	0.0	5.3	5.3	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0
2	641.6	385.0	106.0	55.8	27.9	44.6	0.0	0.0	5.6	5.6	5.6	5.6	0.0	0.0	0.0	0.0	0.0
3	483.2	250.1	38.1	97.5	42.4	8.5	29.7	12.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	570.7	323.8	92.5	81.3	27.0	17.7	11.7	6.0	3.3	1.9	1.9	1.9	1.8	0.0	0.0	0.0	0.0
SD	80.5	68.3	49.1	22.4	15.9	23.7	15.8	6.4	2.9	3.2	3.2	3.2	3.1	0.0	0.0	0.0	0.0
SE	46.5	39.4	28.3	12.9	9.2	13.7	9.1	3.7	1.7	1.9	1.9	1.9	1.8	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 18 NOV 1980, 700 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	TATR	UCOP	FAEC	MEPY	SCCA	HUSP	AMUN	DIUN	DASP	MISP	AMESP	AMPA	PAHO	LASP	AMSP	ZASP
1	210	16	17	19	16	6	1	6	5	6	2	3	2	2	2	2	2
2	69	32	12	7	4	1	0	1	2	0	2	0	0	0	0	0	0
3	129	57	12	12	6	8	9	0	0	0	3	0	0	0	0	0	0

RAW COUNTS

REP	AMLO	PASPI	TISP	LEVA	AMDI	AMMI	SCKN	SASP	SCAR	PAVE	SCSP	RODI	PAPA	PASP	MLSP	STDSP	MIRO
1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
3	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 18 NOV 1980, 700 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	TATR	UCOP	FAEC	MEPY	SCCA	HUSP	AMUN	DIUN	DASP	MISP	AMESP	AMPA	PAHO	LASP	AMSP	ZASP
1	42.0	6.0	6.4	7.1	6.0	2.3	0.4	2.3	1.9	2.3	0.8	1.1	0.8	0.8	0.8	0.8	0.8
2	13.8	6.9	2.6	1.5	0.9	0.2	0.0	0.2	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
3	25.8	13.2	2.8	2.8	1.4	1.9	2.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	27.2	8.7	3.9	3.8	2.8	1.4	0.8	0.8	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.3	0.3
SD	14.2	4.0	2.1	2.9	2.8	1.1	1.1	1.2	1.0	1.3	0.2	0.6	0.4	0.4	0.4	0.4	0.4
SE	8.2	2.3	1.2	1.7	1.6	0.6	0.6	0.7	0.6	0.8	0.1	0.4	0.3	0.3	0.3	0.3	0.3

NUMBERS PER 0.10 SQ M

REP	AMLO	PASPI	TISP	LEVA	AMDI	AMMI	SCKN	SASP	SCAR	PAVE	SCSP	RODI	PAPA	PASP	KLSP	STDSP	MIRO
1	0.4	0.4	0.4	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.2	0.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.2	0.2	0.2	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 11 DEC 1980, 45 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	TATR	UCOP	FAEC	SCCA	MISP	MEPY	SASP	PPLSP	LEVA	PASPI	AMPA	CLESP	HUSP	AMUN	DASP	DIUN
1	111	50	19	18	5	9	4	3	0	0	0	0	0	0	0	0	0
2	155	85	13	11	15	10	4	2	3	1	0	0	0	0	0	1	1
3	156	88	17	13	6	5	4	2	1	2	2	1	1	1	1	0	0

RAW COUNTS

REP	HASP	AMSP	ENHO	STDSP	SCSP	SCAR	PASP	TAIN	DACR	PAVE	TESP	PRSI	TISP	SCKN	KLSP	STAS	MIRO
1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 11 DEC 1980, 45 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	TATR	UCOP	FAEC	SCCA	MISP	MEPY	SASP	PPLSP	LEVA	PASPI	AMPA	CLESP	HUSP	AMUN	DASP	DIUN
1	22.2	10.2	3.9	3.7	1.0	1.8	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	31.0	17.8	2.7	2.3	3.1	2.1	0.8	0.4	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2
3	31.2	19.1	3.7	2.8	1.3	1.1	0.9	0.4	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.0	0.0
MEAN	28.1	15.7	3.4	2.9	1.8	1.7	0.8	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SD	5.1	4.8	0.6	0.7	1.2	0.5	0.0	0.1	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
SE	3.0	2.8	0.4	0.4	0.7	0.3	0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 20 JAN 1981, 2335 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	LEVA	FAEC	UCOP	TATR	PASPI	HUSP	TISP	MEPY	SCCA	MISP	DASP	MILI	TESP	STDSP	KLSP	SCAR
1	39	7	7	20	1	1	1	1	1	1	2	0	1	0	0	0	0
2	51	18	11	7	4	3	1	0	1	1	0	0	0	0	0	0	0
3	76	23	22	13	3	3	3	4	2	1	1	1	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	LEVA	FAEC	UCOP	TATR	PASPI	HUSP	TISP	MEPY	SCCA	MISP	DASP	MILI	TESP	STDSP	KLSP	SCAR
1	7.8	1.3	1.3	3.6	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.0	0.2	0.0	0.0	0.0	0.0
2	10.2	4.0	2.4	1.6	0.9	0.7	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	15.2	4.6	4.4	2.6	0.6	0.6	0.6	0.8	0.4	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
MEAN	11.1	3.3	2.7	2.6	0.6	0.5	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
SD	3.8	1.8	1.6	1.0	0.4	0.3	0.2	0.4	0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0
SE	2.2	1.0	0.9	0.6	0.2	0.2	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 3 MAR 1981, 2140 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	LEVA	UCOP	HUSP	PASPI	TATR	MEPY	TISP	MISP	AMSP	MILI	TESP	STDSP	TAIN	KLSP	SCAR
1	238	108	74	32	8	4	6	1	1	1	0	0	0	0	0	0	0
2	300	148	75	37	11	2	0	0	1	1	1	1	0	0	0	0	0
3	365	80	43	24	2	0	0	1	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	LEVA	UCOP	HUSP	PASPI	TATR	MEPY	TISP	MISP	AMSP	MILI	TESP	STDSP	TAIN	KLSP	SCAR
1	47.6	21.9	15.0	6.5	1.6	0.8	1.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	60.0	32.1	16.2	8.0	2.4	0.4	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
3	73.0	38.9	20.9	11.7	1.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	60.2	31.0	17.4	8.7	1.7	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
SD	12.7	8.6	3.1	2.7	0.7	0.4	0.7	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
SE	7.3	5.0	1.8	1.5	0.4	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 8 APR 1981, 1400 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	LEVA	UCOP	MILI	PASPI	DASP	HUSP	MEPY	DIUN	DATY	MISP	TATR	HASP	ZASP	STDSP	TAIN	SCAR
1	368	53	28	1	5	3	0	2	1	1	0	0	0	0	0	0	0
2	288	72	28	3	1	3	2	0	0	0	1	1	1	0	0	0	0
3	238	75	21	7	1	0	3	1	1	0	0	0	0	1	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	LEVA	UCOP	MILI	PASPI	DASP	HUSP	MEPY	DIUN	DATY	MISP	TATR	HASP	ZASP	STDSP	TAIN	SCAR
1	73.6	41.5	21.9	0.8	3.9	2.3	0.0	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	57.6	37.0	14.4	1.5	0.5	1.5	1.0	0.0	0.0	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0
3	47.6	32.5	9.1	3.0	0.4	0.0	1.3	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
MEAN	59.6	37.0	15.1	1.8	1.6	1.3	0.8	0.7	0.4	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0
SD	13.1	4.5	6.4	1.1	2.0	1.2	0.7	0.8	0.4	0.5	0.3	0.3	0.3	0.2	0.0	0.0	0.0
SE	7.6	2.6	3.7	0.7	1.1	0.7	0.4	0.5	0.2	0.3	0.2	0.2	0.2	0.1	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 7 MAY 1981, 1245 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	LEVA	MILI	TISP	FAEC	ZASP	HASP	MEPY	HUSP	SASP	PASPI	TATR	AMSP	STDSP	TAIN	SCAR
1	2504	54	12	22	34	3	8	3	1	2	0	0	0	1	0	0	0
2	4720	68	29	19	11	1	1	2	1	0	1	1	0	0	0	0	0
3	3096	39	43	23	6	5	0	2	2	0	0	0	1	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	LEVA	MILI	TISP	FAEC	ZASP	HASP	MEPY	HUSP	SASP	PASPI	TATR	AMSP	STDSP	TAIN	SCAR
1	500.8	193.2	42.9	78.7	121.6	10.7	28.6	10.7	3.6	7.2	0.0	0.0	0.0	3.6	0.0	0.0	0.0
2	944.0	479.0	204.3	133.9	77.5	7.0	7.0	14.1	7.0	0.0	7.0	7.0	0.0	0.0	0.0	0.0	0.0
3	619.2	199.6	220.0	117.7	30.7	25.6	0.0	10.2	10.2	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0
MEAN	688.0	290.6	155.8	110.1	76.6	14.5	11.9	11.7	7.0	2.4	2.3	2.3	1.7	1.2	0.0	0.0	0.0
SD	229.5	163.2	98.0	28.4	45.5	9.8	14.9	2.1	3.3	4.1	4.1	4.1	3.0	2.1	0.0	0.0	0.0
SE	132.5	94.2	56.6	16.4	26.2	5.7	8.6	1.2	1.9	2.4	2.3	2.3	1.7	1.2	0.0	0.0	0.0

Table 5 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 3 JUN 1981, 1130 HRS PST

STATION FF 1

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	MILI	LEVA	SCCA	TATR	PASPI	ZASP	FAEC	HUSP	HASP	SASP	STAS	STDSP	TAIN	TESP	SCAR
1	172	38	0	10	0	7	0	2	2	0	0	0	0	0	0	0	0
2	276	66	10	11	1	1	1	4	0	0	1	1	0	0	0	0	0
3	996	66	33	21	4	1	2	0	1	1	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	MILI	LEVA	SCCA	TATR	PASPI	ZASP	FAEC	HUSP	HASP	SASP	STAS	STDSP	TAIN	TESP	SCAR
1	34.4	22.2	0.0	5.8	0.0	4.1	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	55.2	38.0	5.8	6.3	0.6	0.6	0.6	2.3	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.0
3	199.2	101.9	51.0	32.4	6.2	1.5	3.1	0.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	96.3	54.0	18.9	14.9	2.3	2.1	1.2	1.2	0.9	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0
SD	89.7	42.2	27.9	15.2	3.4	1.8	1.6	1.2	0.8	0.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0
SE	51.8	24.4	16.1	8.8	2.0	1.0	0.9	0.7	0.5	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0

TABLE 6
FRASER FORESHORE; SLED SAMPLES
HARPICTICOID SPECIES
STATION 2 (STEVESTON)

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMDI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 6 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA
HEDI = HETEROLAOPHONTE DISCOPHORA
HEHA = HETEROLAOPHONTE HAMONDI
HEVA = HETEROLAOPHONTE VARIABILIS
HASPI = HARPACTICUS SPINULOSUS
LEVA = LEIMIA VAGA
LOAM = LONGIPEDIA AMERICANA
LECO = LEPTASTACUS CONSTRICTUS
LASP = LAOPHONTID SPECIES
LESP = LEPTOCARIS SPECIES
LIBE = LIMNOCLETODES BEHNINGI
MILI = MICROARTHRIDION LITTORALE
MESP = MESOCHRA SPECIES
MISP = MICROSETELLA SPECIES
MIRO = MICROSETELLA ROSEA
MEPY = MESOCHRA PYGMAEA
NISPA = NITOCRA SPINIPES ARMATA
PSES = PSEUDONYCHOCAMPTUS SPINIFER
PAPA = PARALAOPHONTE PACIFICA
PSMI = PSYLLOCAMPTUS MINUTUS
PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES
PAVE = PARALEPTASTACUS VERMICULARIS
PRSI = PROAMEIRA SIMPLEX
PAHO = PARASTENHELIA HORNELLI
PASP = PARALEPTASTICUS SPECIES
PACOC = PARALAOPHONTE CONGENERA CONGENERA
PASPI = PARALEPTASTICUS SPINICAUDA
ROPR = ROBERTSONIA PROPINQUA
ROHO = ROBERTGURNEYA HOPKINSI
RODI = ROBERTGURNEYA DIVERSA

Table 6 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 15 APR 1980, 1130 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	UCOP	MIRO	MEPY	DASP	MILI	PACOC	HEVA	TISP	ZASP	AMUN	DAVU	TESP	STDSP	STPE	SCAR
1	42	20	11	0	3	0	0	0	0	0	0	0	0	0	0	0	0
2	50	30	5	1	0	1	1	0	1	1	1	1	0	0	0	0	0
3	17	5	3	2	0	1	1	1	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	UCOP	MIRO	MEPY	DASP	MILI	PACOC	HEVA	TISP	ZASP	AMUN	DAVU	TESP	STDSP	STPE	SCAR
1	8.4	4.9	2.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	10.0	7.1	1.2	0.2	0.0	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
3	3.4	1.3	0.8	0.5	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	7.3	4.5	1.6	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
SD	3.4	2.9	1.0	0.3	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
SE	2.0	1.7	0.6	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 15 MAY 1980, 1100 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	TISP	FAEC	ZASP	MILI	MEPY	HASP	HUJA	TATR	LEVA	STPE	DISPI	DASP	DACR	TESP	SCAR
1	2206	37	45	5	6	0	2	2	1	0	0	1	1	0	0	0	0
2	1760	69	28	5	0	4	0	0	0	1	1	0	0	0	0	0	0
3	744	38	27	11	0	1	0	0	2	2	1	0	0	1	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	TISP	FAEC	ZASP	MILI	MEPY	HASP	HUJA	TATR	LEVA	STPE	DISPI	DASP	DACR	TESP	SCAR
1	441.2	163.2	198.5	22.1	26.5	0.0	8.8	8.8	4.4	0.0	0.0	4.4	4.4	0.0	0.0	0.0	0.0
2	352.0	224.9	91.3	16.3	0.0	13.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
3	148.8	68.1	48.4	19.7	0.0	1.8	0.0	0.0	3.6	3.6	1.8	0.0	0.0	1.8	0.0	0.0	0.0
MEAN	314.0	152.1	112.7	19.4	8.8	4.9	2.9	2.9	2.7	2.3	1.7	1.5	1.5	0.6	0.0	0.0	0.0
SD	149.9	79.0	77.3	2.9	15.3	7.1	5.1	5.1	2.3	2.0	1.6	2.5	2.5	1.0	0.0	0.0	0.0
SE	86.5	45.6	44.7	1.7	8.8	4.1	2.9	2.9	1.4	1.1	0.9	1.5	1.5	0.6	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 27 JUN 1980, 1050 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	TATR	LECO	FAEC	MILI	HUJA	STAS	TISP	DAVU	STDSP	DACR	STPE	TEPE	SASP	KLSP	SCAR
1	296	26	31	6	0	0	2	0	0	0	0	0	0	0	0	0	0
2	96	11	3	0	2	3	0	0	0	0	0	0	0	0	0	0	0
3	140	20	9	0	2	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	TATR	LECO	FAEC	MILI	HUJA	STAS	TISP	DAVU	STDSP	DACR	STPE	TEPE	SASP	KLSP	SCAR
1	59.2	23.7	28.2	5.5	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	19.2	11.1	3.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	28.0	18.1	8.1	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	35.5	17.6	13.1	1.8	1.3	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	21.0	6.3	13.3	3.2	1.1	1.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	12.1	3.6	7.7	1.8	0.6	1.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 6 SEP 1980, 920 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	MEPY	UCOP	FAEC	TATR	DISP	TISP	DASP	HASP	AMNO	PASPI	HEVA	AMUN	STDSP	DACR	TAIN	SCAR
1	392	65	27	2	1	5	5	2	3	3	0	0	1	0	0	0	0
2	200	33	34	14	8	4	0	1	1	0	2	1	0	0	0	0	0
3	203	66	44	24	13	7	1	3	0	0	3	4	2	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	MEPY	UCOP	FAEC	TATR	DISP	TISP	DASP	HASP	AMNO	PASPI	HEVA	AMUN	STDSP	DACR	TAIN	SCAR
1	78.4	44.7	18.6	1.4	0.7	3.4	3.4	1.4	2.1	2.1	0.0	0.0	0.7	0.0	0.0	0.0	0.0
2	40.0	13.5	13.9	5.7	3.3	1.6	0.0	0.4	0.4	0.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0
3	40.6	16.0	10.7	5.8	3.2	1.7	0.2	0.7	0.0	0.0	0.7	1.0	0.5	0.0	0.0	0.0	0.0
MEAN	53.0	24.7	14.4	4.3	2.4	2.3	1.2	0.8	0.8	0.7	0.5	0.5	0.4	0.0	0.0	0.0	0.0
SD	22.0	17.3	4.0	2.5	1.5	1.0	1.9	0.5	1.1	1.2	0.4	0.5	0.4	0.0	0.0	0.0	0.0
SE	12.7	10.0	2.3	1.5	0.8	0.6	1.1	0.3	0.6	0.7	0.3	0.3	0.2	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	UCOP	TATR	PASPI	MEPY	HEVA	TAIN	DAVU	TISP	TESP	DACR	STPE	STDSP	SASP	KLSP	SCAR
1	1856	30	8	14	3	0	0	0	0	0	0	0	0	0	0	0	0
2	144	2	3	0	1	2	0	0	0	0	0	0	0	0	0	0	0
3	624	7	10	2	1	3	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	UCOP	TATR	PASPI	MEPY	HEVA	TAIN	DAVU	TISP	TESP	DACR	STPE	STDSP	SASP	KLSP	SCAR
1	371.2	202.5	54.0	94.5	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	28.8	7.2	10.8	0.0	3.6	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	124.8	36.4	52.0	10.4	5.2	15.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	174.9	82.0	38.9	35.0	9.7	7.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	176.6	105.3	24.4	51.8	9.2	7.8	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	102.0	60.8	14.1	29.9	5.3	4.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 29 OCT 1980, 205 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	TATR	UCOP	MEPY	PASPI	TISP	DISP	LEVA	MIRO	SCCA	DASP	SCKN	DATY	HASP	HEVA	ZASP
1	67	24	9	11	9	2	2	1	0	0	0	1	0	0	0	0	0
2	134	35	29	22	16	7	0	2	3	1	1	1	0	0	1	1	1
3	69	24	11	3	10	1	1	0	0	1	1	0	1	1	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	TATR	UCOP	MEPY	PASPI	TISP	DISP	LEVA	MIRO	SCCA	DASP	SCKN	DATY	HASP	HEVA	ZASP
1	13.4	5.5	2.0	2.5	2.0	0.5	0.5	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
2	26.8	7.8	6.5	4.9	3.6	1.6	0.0	0.4	0.7	0.2	0.2	0.2	0.0	0.0	0.2	0.2	0.2
3	13.8	6.1	2.8	0.8	2.6	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.3	0.3	0.0	0.0	0.0
MEAN	18.0	6.5	3.8	2.7	2.7	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
SD	7.6	1.2	2.4	2.1	0.8	0.7	0.2	0.2	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SE	4.4	0.7	1.4	1.2	0.4	0.4	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 9 DEC 1980, 115 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	TATR	UCOP	MEPY	TISP	DISP	MIRO	TESP	HUJA	DASP	AMNO	PASPI	AMUN	AMSP	AMPA	PAPA
1	175	38	10	19	18	5	4	2	2	1	2	1	1	1	1	1	1
2	69	29	11	8	3	0	1	2	2	0	0	0	0	1	1	0	0
3	69	15	18	7	7	1	0	1	0	2	0	1	1	0	0	0	0

RAW COUNTS

REP	ZASP	LOAM	HEVA	DACR	RODI	SCAR	PASP	DAVU	STPE	ROHO	PPLSP	PRSI	SASP	SCKN	KLSP	STAS	TAIN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 9 DEC 1980, 115 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	TATR	UCOP	MEPY	TISP	DISP	MIRO	TESP	HUJA	DASP	AMNO	PASPI	AMUN	AMSP	AMPA	PAPA
1	35.0	12.4	3.3	6.2	5.9	1.6	1.3	0.7	0.7	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3
2	13.8	6.8	2.6	1.9	0.7	0.0	0.2	0.5	0.5	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
3	13.8	3.8	4.5	1.8	1.8	0.3	0.0	0.3	0.0	0.5	0.0	0.3	0.3	0.0	0.0	0.0	0.0
MEAN	20.9	7.7	3.5	3.3	2.8	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
SD	12.2	4.4	1.0	2.5	2.7	0.9	0.7	0.2	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2
SE	7.1	2.5	0.6	1.5	1.6	0.5	0.4	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 19 JAN 1981, 2255 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	MEPY	UCOP	MESP	AMUN	SASP	DAVU	TAIN	TESP	STDSP	TISP	STPE	SCCA	TATR	KLSP	SCAR
1	15	10	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0
2	20	9	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	MEPY	UCOP	MESP	AMUN	SASP	DAVU	TAIN	TESP	STDSP	TISP	STPE	SCCA	TATR	KLSP	SCAR
1	3.0	2.3	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4.0	2.1	0.7	0.5	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	3.5	2.2	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.7	0.1	0.5	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.5	0.1	0.4	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; HARPACTICOID SPECIES

DATE 17 FEB 1981, 2300 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	MEPY	UCOP	SCKN	AMPA	MIRO	AMSP	PPLSP	TATR	STDSP	DACR	DAVU	TEPE	SASP	TISP	TESP
1	16	10	1	3	1	0	0	1	1	0	0	0	0	0	0	0	0
2	22	6	5	4	1	1	1	0	0	0	0	0	0	0	0	0	0
3	13	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	MEPY	UCOP	SCKN	AMPA	MIRO	AMSP	PPLSP	TATR	STDSP	DACR	DAVU	TEPE	SASP	TISP	TESP
1	3.2	1.9	0.2	0.6	0.2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4.4	1.5	1.2	1.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	2.6	1.8	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	3.4	1.7	0.6	0.6	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.9	0.2	0.5	0.4	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.5	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 4 MAR 1981, 2225 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	FAEC	UCOP	LEVA	SCCA	LECO	PASPI	STAS	TISP	DAVU	TATR	DACR	TAIN	STDSP	SASP	KLSP	SCAR
1	47	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	48	37	5	4	1	1	1	0	0	0	0	0	0	0	0	0	0
3	26	22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	FAEC	UCOP	LEVA	SCCA	LECO	PASPI	STAS	TISP	DAVU	TATR	DACR	TAIN	STDSP	SASP	KLSP	SCAR
1	9.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	9.6	7.2	1.0	0.8	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5.2	5.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	8.1	7.2	0.4	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	2.5	2.2	0.5	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.4	1.3	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 5 MAY 1981, 1300 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	LEVA	FAEC	TATR	HUJA	MILI	AMSP	LECO	PASPI	TISP	ZASP	HASP	LIBE	AMCI	DACR	STDSP
1	134	44	8	1	2	1	3	1	0	0	0	1	0	0	0	0	0
2	296	53	17	23	19	1	1	0	1	1	1	0	0	0	0	0	0
3	212	54	32	8	1	3	0	2	1	0	0	0	1	1	1	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	LEVA	FAEC	TATR	HUJA	MILI	AMSP	LECO	PASPI	TISP	ZASP	HASP	LIBE	AMCI	DACR	STDSP
1	26.8	19.3	3.5	0.4	0.9	0.4	1.3	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
2	59.2	26.8	8.6	11.6	9.6	0.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3	42.4	22.0	13.0	3.3	0.4	1.2	0.0	0.8	0.4	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0
MEAN	42.8	22.7	8.4	5.1	3.6	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0
SD	16.2	3.8	4.8	5.8	5.2	0.4	0.7	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0
SE	9.4	2.2	2.8	3.4	3.0	0.3	0.4	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0

Table 6 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 2 JUN 1981, 1100 HRS PST

STATION FF 2

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	ZASP	LEVA	FAEC	TISP	TATR	DASP	HASP	MILI	MEPY	HUJA	AMSP	APVE	STAS	SCCA	SCAR
1	508	53	27	8	6	7	3	2	2	1	1	1	0	0	0	0	0
2	220	51	10	14	13	12	4	1	0	0	1	0	1	0	0	0	0
3	192	70	0	13	5	2	0	0	0	2	0	1	2	1	1	1	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	ZASP	LEVA	FAEC	TISP	TATR	DASP	HASP	MILI	MEPY	HUJA	AMSP	APVE	STAS	SCCA	SCAR
1	101.6	48.5	24.7	7.3	5.5	6.4	2.7	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
2	44.0	21.0	4.1	5.8	5.3	4.9	1.6	0.4	0.0	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0
3	38.4	27.4	0.0	5.1	2.0	0.8	0.0	0.0	0.0	0.8	0.0	0.4	0.8	0.4	0.4	0.4	0.0
MEAN	61.3	32.3	9.6	6.1	4.3	4.0	1.5	0 7	0.6	0.6	0.4	0.4	0.4	0.1	0.1	0.1	0.0
SD	35.0	14.4	13.2	1.1	2.0	2.9	1.4	1.0	1.1	0.5	0.5	0.5	0.4	0.2	0.2	0.2	0.0
SE	20.2	8.3	7.6	0.7	1.2	1.7	0.8	0.6	0.6	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0

TABLE 7
FRASER FORESHORE; SLED SAMPLES
HARPICTICOID SPECIES
STATION 3 (ROBERTS BANK)

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMDI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 7 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA

HEDI = HETEROLAOPHONTE DISCOPHORA

HEHA = HETEROLAOPHONTE HAMONDI

HEVA = HETEROLAOPHONTE VARIABILIS

HASPI = HARPACTICUS SPINULOSUS

LEVA = LEIMIA VAGA

LOAM = LONGIPEDIA AMERICANA

LECO = LEPTASTACUS CONSTRICTUS

LASP = LAOPHONTID SPECIES

LESP = LEPTOCARIS SPECIES

LIBE = LIMNOCLETODES BEHNINGI

MILI = MICROARTHRIDION LITTORALE

MESP = MESOCHRA SPECIES

MISP = MICROSETELLA SPECIES

MIRO = MICROSETELLA ROSEA

MEPY = MESOCHRA PYGMAEA

NISPA = NITOCRA SPINIPES ARMATA

PSES = PSEUDONYCHOCAMPTUS SPINIFER

PAPA = PARALAOPHONTE PACIFICA

PSMI = PSYLLOCAMPTUS MINUTUS

PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES

PAVE = PARALEPTASTACUS VERMICULARIS

PRSI = PROAMEIRA SIMPLEX

PAHO = PARASTENHELIA HORNELLI

PASP = PARALEPTASTICUS SPECIES

PACOC = PARALAOPHONTE CONGENERA CONGENERA

PASPI = PARALEPTASTICUS SPINICAUDA

ROPR = ROBERTSONIA PROPINQUA

ROHO = ROBERTGURNEYA HOPKINSI

RODI = ROBERTGURNEYA DIVERSA

Table 7 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 16 APR 1980, 1225 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	TISP	FAEC	DASP	HASP	DISP	ZASP	MEPY	AMSP	HEVA	AMUN	TESP	STDSP	TAIN	KLSP	SCAR
1	44960	160	23	3	0	1	0	1	1	0	0	1	0	0	0	0	0
2	54492	103	70	7	1	2	1	2	1	0	1	0	0	0	0	0	0
3	84416	135	61	6	3	1	2	0	0	1	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	TISP	FAEC	DASP	HASP	DISP	ZASP	MEPY	AMSP	HEVA	AMUN	TESP	STDSP	TAIN	KLSP	SCAR
1	8992.0	7572.2	1088.5	142.0	0.0	47.3	0.0	47.3	47.3	0.0	0.0	47.3	0.0	0.0	0.0	0.0	0.0
2	10898.4	5970.9	4057.9	405.8	58.0	115.9	58.0	115.9	58.0	0.0	58.0	0.0	0.0	0.0	0.0	0.0	0.0
3	16883.2	10905.4	4927.6	484.7	242.3	80.8	161.6	0.0	0.0	80.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	12257.9	8149.5	3358.0	344.2	100.1	81.3	73.2	54.4	35.1	26.9	19.3	15.8	0.0	0.0	0.0	0.0	0.0
SD	4117.5	2517.4	2013.0	179.5	126.5	34.3	81.8	58.3	30.9	46.6	33.5	27.3	0.0	0.0	0.0	0.0	0.0
SE	2377.2	1453.4	1162.2	103.6	73.1	19.8	47.3	33.7	17.8	26.9	19.3	15.8	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 14 MAY 1980, 1110 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	TISP	ZASP	MEPY	FAEC	DASP	DAVU	TAIN	TESP	TATR	DACR	STPE	STDSP	SASP	KLSP	SCAR
1	94720	119	78	16	3	3	2	0	0	0	0	0	0	0	0	0	0
2	62656	104	102	14	0	1	1	0	0	0	0	0	0	0	0	0	0
3	54528	75	93	14	1	0	1	0	0	0	0	0	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	TISP	ZASP	MEPY	FAEC	DASP	DAVU	TAIN	TESP	TATR	DACR	STPE	STDSP	SASP	KLSP	SCAR
1	18944.0	10200.6	6686.1	1371.5	257.2	257.2	171.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	12531.2	5870.5	5757.6	790.3	0.0	56.4	56.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	10905.6	4445.2	5512.1	829.8	59.3	0.0	59.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	14126.9	6838.8	5985.3	997.2	105.5	104.5	95.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	4250.1	2997.4	619.3	324.8	134.7	135.2	65.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	2453.8	1730.5	357.5	187.5	77.7	78.0	37.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 28 JUN 1980, 1115 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	DACR	MEPY	AMUN	TATR	TISP	ZASP	FAEC	MILI	HASP	HEVA	DISP	AMSP	AMNO	ENSP	PAPA
1	3200	24	32	13	5	1	7	3	0	2	1	2	1	1	1	0	0
2	2576	47	28	5	6	15	3	5	7	1	3	2	2	0	0	0	0
3	3152	50	24	6	7	4	4	2	3	3	1	0	1	2	0	1	1

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	DACR	MEPY	AMUN	TATR	TISP	ZASP	FAEC	MILI	HASP	HEVA	DISP	AMSP	AMNO	ENSP	PAPA
1	640.0	165.2	220.2	89.5	34.4	6.9	48.2	20.6	0.0	13.8	6.9	13.8	6.9	6.9	6.9	0.0	0.0
2	515.2	195.3	116.3	20.8	24.9	62.3	12.5	20.8	29.1	4.2	12.5	8.3	8.3	0.0	0.0	0.0	0.0
3	630.4	289.2	138.8	34.7	40.5	23.1	23.1	11.6	17.4	17.4	5.8	0.0	5.8	11.6	0.0	5.8	5.8
MEAN	595.2	216.5	158.5	48.3	33.3	30.8	27.9	17.7	15.5	11.8	8.4	7.4	7.0	6.1	2.3	1.9	1.9
SD	69.4	64.7	54.7	36.3	7.8	28.5	18.3	5.3	14.6	6.8	3.6	6.9	1.3	5.8	4.0	3.3	3.3
SE	40.1	37.3	31.6	21.0	4.5	16.5	10.6	3.0	8.4	3.9	2.1	4.0	0.7	3.4	2.3	1.9	1.9

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 5 SEP 1980, 825 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	MEPY	UCOP	FAEC	AMNO	DISP	HASP	TISP	AMUN	ZASP	TATR	HEVA	AMSP	MILI	DAVU	STDSP	TAIN
1	14944	43	37	7	7	3	2	4	1	2	0	1	0	0	1	0	0
2	19488	56	32	5	5	10	5	2	2	0	1	0	0	1	0	0	0
3	9344	15	40	8	7	2	5	0	2	2	2	1	2	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	MEPY	UCOP	FAEC	AMNO	DISP	HASP	TISP	AMUN	ZASP	TATR	HEVA	AMSP	MILI	DAVU	STDSP	TAIN
1	2988.8	1190.0	1023.9	193.7	193.7	83.0	55.3	110.7	27.7	55.3	0.0	27.7	0.0	0.0	27.7	0.0	0.0
2	3897.6	1834.2	1048.1	163.8	163.8	327.5	163.8	65.5	65.5	0.0	32.8	0.0	0.0	32.8	0.0	0.0	0.0
3	1868.8	326.0	869.2	173.8	152.1	43.5	108.7	0.0	43.5	43.5	43.5	21.7	43.5	0.0	0.0	0.0	0.0
MEAN	2918.4	1116.7	980.4	177.1	169.9	151.3	109.3	58.7	45.5	32.9	25.4	16.5	14.5	10.9	9.2	0.0	0.0
SD	1016.2	756.8	97.1	15.2	21.5	153.9	54.2	55.7	19.0	29.1	22.6	14.6	25.1	18.9	16.0	0.0	0.0
SE	586.7	436.9	56.0	8.8	12.4	88.8	31.3	32.1	11.0	16.8	13.1	8.4	14.5	10.9	9.2	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 23 SEP 1980, 1010 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	MEPY	FAEC	DISP	ZASP	DASP	AMNO	HASP	TESP	TISP	AMUN	AMESP	HEVA	STDSP	KLSP	SCAR
1	3360	29	27	15	5	9	3	1	0	2	0	0	0	0	0	0	0
2	5760	26	27	22	3	2	5	2	4	1	2	2	0	0	0	0	0
3	2752	26	20	15	9	3	0	3	0	3	1	0	2	2	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	MEPY	FAEC	DISP	ZASP	DASP	AMNO	HASP	TESP	TISP	AMUN	AMESP	HEVA	STDSP	KLSP	SCAR
1	672.0	214.2	199.4	110.8	36.9	66.5	22.2	7.4	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1152.0	312.0	324.0	264.0	36.0	24.0	60.0	24.0	48.0	12.0	24.0	24.0	0.0	0.0	0.0	0.0	0.0
3	550.4	170.4	131.0	98.3	59.0	19.7	0.0	19.7	0.0	19.7	6.6	0.0	13.1	13.1	0.0	0.0	0.0
MEAN	791.5	232.2	218.1	157.7	44.0	36.7	27.4	17.0	16.0	15.5	10.2	8.0	4.4	4.4	0.0	0.0	0.0
SD	318.1	72.5	97.8	92.3	13.0	25.9	30.3	8.6	27.7	3.9	12.4	13.9	7.6	7.6	0.0	0.0	0.0
SE	183.7	41.9	56.5	53.3	7.5	14.9	17.5	5.0	16.0	2.2	7.2	8.0	4.4	4.4	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 28 OCT 1980, 205 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	MEPY	FAEC	TISP	UCOP	HASP	ZASP	DISP	AMSP	DAVU	DISPI	DATY	MILI	AMESP	DASP	TESP	KLSP
1	1888	42	17	18	19	4	2	1	0	0	0	0	1	0	0	0	0
2	2024	46	22	20	15	3	4	1	1	0	0	0	0	1	1	0	0
3	2000	28	32	16	11	4	1	1	1	1	1	1	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	MEPY	FAEC	TISP	UCOP	HASP	ZASP	DISP	AMSP	DAVU	DISPI	DATY	MILI	AMESP	DASP	TESP	KLSP
1	377.6	152.5	61.7	65.4	69.0	14.5	7.3	3.6	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0
2	404.8	163.3	78.1	71.0	53.3	10.7	14.2	3.6	3.6	0.0	0.0	0.0	0.0	3.6	3.6	0.0	0.0
3	400.0	115.5	132.0	66.0	45.4	16.5	4.1	4.1	4.1	4.1	4.1	4.1	0.0	0.0	0.0	0.0	0.0
MEAN	394.1	143.8	90.6	67.5	55.9	13.9	8.5	3.8	2.6	1.4	1.4	1.4	1.2	1.2	1.2	0.0	0.0
SD	14.5	25.1	36.7	3.1	12.0	3.0	5.2	0.3	2.2	2.4	2.4	2.4	2.1	2.1	2.1	0.0	0.0
SE	8.4	14.5	21.2	1.8	6.9	1.7	3.0	0.2	1.3	1.4	1.4	1.4	1.2	1.2	1.2	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 17 NOV 1980. 600 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	MEPY	FAEC	DISP	DASP	TISP	DACR	AMUN	DATY	AMSP	PAHO	ZASP	PRSI	AMESP	TATR	TEPE
1	536	25	18	12	8	0	5	12	1	2	2	3	1	1	1	0	0
2	452	23	26	10	8	9	5	0	1	2	1	0	1	1	1	2	0
3	400	14	19	15	4	8	5	0	7	2	2	1	2	1	1	0	2

RAW COUNTS

REP	AMMI	TESP	AMNO	MISP	PAPA	HEVA	MILI	HUJA	HASP	AMCI	STPE	KLSP	ROHO	SCAR	NISPA	SASP	MIRO
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 17 NOV 1980, 600 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	MEPY	FAEC	DISP	DASP	TISP	DACR	AMUN	DATY	AMSP	PAHO	ZASP	PRSI	AMESP	TATR	TEPE
1	107.2	28.8	20.7	13.8	9.2	0.0	5.8	13.8	1.2	2.3	2.3	3.5	1.2	1.2	1.2	0.0	0.0
2	90.4	21.9	24.7	9.5	7.6	8.6	4.8	0.0	1.0	1.9	1.0	0.0	1.0	1.0	1.0	1.9	0.0
3	80.0	13.0	17.7	14.0	3.7	7.4	4.7	0.0	6.5	1.9	1.9	0.9	1.9	0.9	0.9	0.0	1.9
MEAN	92.5	21.2	21.1	12.4	6.9	5.3	5.1	4.6	2.9	2.0	1.7	1.5	1.3	1.0	1.0	0.6	0.6
SD	13.7	7.9	3.5	2.5	2.8	4.7	0.6	8.0	3.2	0.2	0.7	1.8	0.5	0.1	0.1	1.1	1.1
SE	7.9	4.6	2.0	1.5	1.6	2.7	0.4	4.6	1.8	0.1	0.4	1.0	0.3	0.1	0.1	0.6	0.6

NUMBERS PER 0.10 SQ M

REP	AMMI	TESP	AMNO	MISP	PAPA	HEVA	MILI	HUJA	HASP	AMCI	STPE	KLSP	ROHO	SCAR	NISPA	SASP	MIRO
1	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 9 DEC 1980, 15 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	FAEC	MEPY	TISP	TEPE	AMNO	DASP	DISP	ZASP	AMSP	DATY	PRSI	AMESP	PAHO	AMUN	AMPA
1	1644	27	33	21	13	4	3	7	3	4	5	4	1	2	2	3	0
2	1672	33	34	16	8	7	4	2	5	4	1	3	2	1	1	1	0
3	1652	29	21	18	3	10	6	2	2	2	3	0	3	2	1	0	3

RAW COUNTS

REP	AMLO	MESP	STOB	ALSP	PACOC	ROPR	STPE	HASPI	MILI	SCAR	PAPA	SCSP	RODI	ROHO	KLSP	STAS	TESP
1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
3	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 9 DEC 1980. 15 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	FAEC	MEPY	TISP	TEPE	AMNO	DASP	DISP	ZASP	AMSP	DATY	PRSI	AMESP	PAHO	AMUN	AMPA
1	328.8	66.7	81.6	51.9	32.1	9.9	7.4	17.3	7.4	9.9	12.4	9.9	2.5	4.9	4.9	7.4	0.0
2	334.4	89.0	91.7	43.1	21.6	18.9	10.8	5.4	13.5	10.8	2.7	8.1	5.4	2.7	2.7	2.7	0.0
3	330.4	84.0	60.9	52.2	8.7	29.0	17.4	5.8	5.8	5.8	8.7	0.0	8.7	5.8	2.9	0.0	8.7
MEAN	331.2	79.9	78.0	49.1	20.8	19.2	11.9	9.5	8.9	8.8	7.9	6.0	5.5	4.5	3.5	3.4	2.9
SD	2.9	11.7	15.7	5.1	11.7	9.6	5.1	6.8	4.1	2.7	4.9	5.3	3.1	1.6	1.2	3.8	5.0
SE	1.7	6.7	9.1	3.0	6.8	5.5	2.9	3.9	2.3	1.5	2.8	3.0	1.8	0.9	0.7	2.2	2.9

NUMBERS PER 0.10 SQ M

REP	AMLO	MESP	STOB	ALSP	PACOC	ROPR	STPE	HASPI	MILI	SCAR	PAPA	SCSP	RODI	ROHO	KLSP	STAS	TESP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0
SD	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
SE	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

DATE 22 JAN 1981, 25 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	FAEC	MEPY	TISP	DASP	AMPA	TEPE	AMSP	AMESP	PRSI	DISP	AMUN	DATY	PAPA	ZASP	LOAM
1	604	19	14	11	5	2	4	3	2	4	1	2	1	0	0	1	0
2	320	30	33	18	16	4	9	7	5	1	2	2	1	1	0	2	1
3	644	22	26	20	18	12	6	6	6	0	3	0	2	3	3	0	2

RAW COUNTS

REP	AMNO	AMMI	HUJA	AMOPE	PAHO	ROHO	ECAR	STPE	ALSP	AMLO	MILI	TESP	RODI	SCKN	SCCA	STAS	MIRO
1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
2	4	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
3	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 22 JAN 1981, 25 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	FAEC	MEPY	TISP	DASP	AMPA	TEPE	AMSP	AMESP	PRSI	DISP	AMUN	DATY	PAPA	ZASP	LOAM
1	120.8	31.0	22.9	18.0	8.2	3.3	6.5	4.9	3.3	6.5	1.6	3.3	1.6	0.0	0.0	1.6	0.0
2	64.0	13.9	15.3	8.3	7.4	1.9	4.2	3.2	2.3	0.5	0.9	0.9	0.5	0.5	0.0	0.9	0.5
3	128.8	21.5	25.4	19.5	17.6	11.7	5.9	5.9	5.9	0.0	2.9	0.0	2.0	2.9	2.9	0.0	2.0
MEAN	104.5	22.1	21.2	15.3	11.0	5.6	5.5	4.7	3.8	2.3	1.8	1.4	1.3	1.1	1.0	0.9	0.8
SD	35.3	8.6	5.2	6.0	5.7	5.3	1.2	1.3	1.8	3.6	1.0	1.7	0.8	1.6	1.7	0.8	1.0
SE	20.4	4.9	3.0	3.5	3.3	3.1	0.7	0.8	1.1	2.1	0.6	1.0	0.5	0.9	1.0	0.5	0.6

NUMBERS PER 0.10 SQ M

REP	AMNO	AMMI	HUJA	AMOPE	PAHO	ROHO	ECAR	STPE	ALSP	AMLO	MILI	TESP	RODI	SCKN	SCCA	STAS	MIRO
1	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.6	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
SD	1.1	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.6	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES; HARPACTICOID SPECIES

DATE 16 FEB 1981, 2115 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	FAEC	MEPY	TISP	AMSP	AMUN	AMPA	DASP	AMMI	DISP	DATY	LASP	LOAM	AMNO	PRSI	ROHO
1	225	40	23	6	14	8	8	6	2	1	1	1	3	0	0	0	1
2	214	26	22	11	12	8	5	3	3	3	0	1	0	0	1	1	0
3	264	33	16	19	12	2	4	3	4	2	2	1	0	2	1	1	1

RAW COUNTS

REP	APVE	TEPE	PAHO	PSMI	NISPA	HEDI	MILI	PACOC	AMESP	SCSP	HEHA	DAVU	SCCA	STPE	SCAR	RODI	MIRO
1	2	2	2	2	0	0	0	0	1	1	1	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 16 FEB 1981, 2115 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	FAEC	MEPY	TISP	AMSP	AMUN	AMPA	DASP	AMMI	DISP	DATY	LASP	LOAM	AMNO	PRSI	ROHO
1	45.0	14.4	8.3	2.2	5.0	2.9	2.9	2.2	0.7	0.4	0.4	0.4	1.1	0.0	0.0	0.0	0.4
2	42.8	11.4	9.6	4.8	5.2	3.5	2.2	1.3	1.3	1.3	0.0	0.4	0.0	0.0	0.4	0.4	0.0
3	52.8	16.6	8.0	9.6	6.0	1.0	2.0	1.5	2.0	1.0	1.0	0.5	0.0	1.0	0.5	0.5	0.5
MEAN	46.9	14.1	8.6	5.5	5.4	2.5	2.4	1.7	1.3	0.9	0.5	0.4	0.4	0.3	0.3	0.3	0.3
SD	5.3	2.6	0.8	3.7	0.5	1.3	0.5	0.4	0.6	0.5	0.5	0.1	0.6	0.6	0.3	0.3	0.3
SE	3.0	1.5	0.5	2.2	0.3	0.7	0.3	0.3	0.4	0.3	0.3	0.0	0.4	0.3	0.2	0.2	0.1

NUMBERS PER 0.10 SQ M

REP	APVE	TEPE	PAHO	PSMI	NISPA	HEDI	MILI	PACOC	AMESP	SCSP	HEHA	DAVU	SCCA	STPE	SCAR	RODI	MIRO
1	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 5 MAR 1981, 2230 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	DATY	FAEC	TISP	DASP	MEPY	LOAM	DISP	ALSP	TEPE	AMSP	STDSP	DISPI	PRSI	ZASP	MILI
1	3767	98	72	50	105	45	12	7	12	2	8	4	2	3	4	0	0
2	5888	41	24	19	14	8	3	6	4	3	1	2	2	1	1	1	1
3	4328	30	21	25	15	21	7	2	3	1	2	0	0	1	0	0	0

RAW COUNTS

REP	HASP	SCKN	ROHO	AMPA	AMCI	TAIN	TESP	SCAR	TATR	DACR	PAHO	DAVU	PAPA	PASP	SASP	SCSP	MIRO
1	1	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 5 MAR 1981, 2230 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	DATY	FAEC	TISP	DASP	MEPY	LOAM	DISP	ALSP	TEPE	AMSP	STDSP	DISPI	PRSI	ZASP	MILI
1	753.4	171.3	125.9	87.4	183.5	78.7	21.0	12.2	21.0	3.5	14.0	7.0	3.5	5.2	7.0	0.0	0.0
2	1177.6	368.6	215.7	170.8	125.9	71.9	27.0	53.9	36.0	27.0	9.0	18.0	18.0	9.0	9.0	9.0	9.0
3	865.6	199.8	139.8	166.5	99.9	139.8	46.6	13.3	20.0	6.7	13.3	0.0	0.0	6.7	0.0	0.0	0.0
MEAN	932.2	246.5	160.5	141.6	136.4	96.8	31.5	26.5	25.6	12.4	12.1	8.3	7.2	7.0	5.3	3.0	3.0
SD	219.8	106.6	48.4	46.9	42.8	37.4	13.4	23.8	9.0	12.7	2.7	9.1	9.5	1.9	4.7	5.2	5.2
SE	126.9	61.6	27.9	27.1	24.7	21.6	7.7	13.7	5.2	7.4	1.6	5.2	5.5	1.1	2.7	3.0	3.0

NUMBERS PER 0.10 SQ M

REP	HASP	SCKN	ROHO	AMPA	AMCI	TAIN	TESP	SCAR	TATR	DACR	PAHO	DAVU	PAPA	PASP	SASP	SCSP	MIRO
1	1.7	0.0	5.2	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	6.7	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MEAN	2.8	2.2	1.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	3.5	3.8	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	2.0	2.2	1.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 9 APR 1981, 1500 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	TISP	DATY	FAEC	ZASP	HASP	DASP	MEPY	DISPI	LOAM	MILI	TESP	TATR	TAIN	KLSP	SCAR
1	4408	54	40	5	5	2	2	3	2	0	0	0	0	0	0	0	0
2	3808	39	46	12	2	3	4	3	1	0	0	0	0	0	0	0	0
3	4112	54	43	3	5	5	3	2	2	2	1	1	0	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	TISP	DATY	FAEC	ZASP	HASP	DASP	MEPY	DISPI	LOAM	MILI	TESP	TATR	TAIN	KLSP	SCAR
1	881.6	421.3	312.1	39.0	39.0	15.6	15.6	23.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	761.6	270.0	318.5	83.1	13.8	20.8	27.7	20.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	822.4	367.0	292.3	20.4	34.0	34.0	20.4	13.6	13.6	13.6	6.8	6.8	0.0	0.0	0.0	0.0	0.0
MEAN	821.9	352.8	307.6	47.5	28.9	23.5	21.2	19.3	12.0	4.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0
SD	60.0	76.6	13.7	32.2	13.3	9.5	6.1	5.1	4.5	7.8	3.9	3.9	0.0	0.0	0.0	0.0	0.0
SE	34.6	44.2	7.9	18.6	7.7	5.5	3.5	2.9	2.6	4.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 6 MAY 1981, 1200 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M . DEPTH 0 CM

RAW COUNTS

REP	TOTAL	TISP	HASP	UCOP	FAEC	TATR	ZASP	DATY	AMSP	MEPY	DASP	AMCI	HUJA	AMLO	TESP	KLSP	SCAR
1	4720	71	18	9	10	7	3	2	3	0	1	1	0	0	0	0	0
2	5440	58	30	8	3	7	3	3	2	2	3	0	0	0	0	0	0
3	3696	63	19	15	11	3	4	1	1	4	1	0	1	1	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	TISP	HASP	UCOP	FAEC	TATR	ZASP	DATY	AMSP	MEPY	DASP	AMCI	HUJA	AMLO	TESP	KLSP	SCAR
1	944.0	536.2	135.9	68.0	75.5	52.9	22.7	15.1	22.7	0.0	7.6	7.6	0.0	0.0	0.0	0.0	0.0
2	1088.0	530.3	274.3	73.1	27.4	64.0	27.4	27.4	18.3	18.3	27.4	0.0	0.0	0.0	0.0	0.0	0.0
3	739.2	375.6	113.3	89.4	65.6	17.9	23.8	6.0	6.0	23.8	6.0	0.0	6.0	6.0	0.0	0.0	0.0
MEAN	923.7	480.7	174.5	76.8	56.2	44.9	24.6	16.2	15.6	14.0	13.6	2.5	2.0	2.0	0.0	0.0	0.0
SD	175.3	91.1	87.2	11.2	25.4	24.1	2.5	10.8	8.7	12.5	12.0	4.4	3.4	3.4	0.0	0.0	0.0
SE	101.2	52.6	50.3	6.5	14.7	13.9	1.4	6.2	5.0	7.2	6.9	2.5	2.0	2.0	0.0	0.0	0.0

Table 7 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

DATE 6 JUN 1981, 1000 HRS PST

STATION FF 3

SAMPLE AREA 0.50 SQ M , DEPTH 0 CM

RAW COUNTS

REP	TOTAL	UCOP	ZASP	TISP	MEPY	HASP	DASP	AMUN	TATR	FAEC	AMSP	PAPA	DISP	STDSP	TAIN	TESP	SCAR
1	20832	76	35	18	5	4	4	2	2	1	3	0	0	0	0	0	0
2	10560	49	41	33	0	0	1	0	1	3	0	0	0	0	0	0	0
3	8032	49	33	36	0	2	0	4	2	1	0	1	1	0	0	0	0

NUMBERS PER 0.10 SQ M

REP	TOTAL	UCOP	ZASP	TISP	MEPY	HASP	DASP	AMUN	TATR	FAEC	AMSP	PAPA	DISP	STDSP	TAIN	TESP	SCAR
1	4166.4	2111.0	972.2	500.0	138.9	111.1	111.1	55.6	55.6	27.8	83.3	0.0	0.0	0.0	0.0	0.0	0.0
2	2112.0	808.5	676.5	544.5	0.0	0.0	16.5	0.0	16.5	49.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1606.4	610.2	410.9	448.3	0.0	24.9	0.0	49.8	24.9	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0
MEAN	2628.3	1176.6	686.5	497.6	46.3	45.3	42.5	35.1	32.3	29.9	27.8	4.2	4.2	0.0	0.0	0.0	0.0
SD	1355.8	815.3	280.7	48.1	80.2	58.3	60.0	30.6	20.6	18.6	48.1	7.2	7.2	0,0	0.0	0.0	0.0
SE	782.8	470.7	162.1	27.8	46.3	33.7	34.6	17.6	11.9	10.7	27.8	4.2	4.2	0.0	0.0	0.0	0.0

TABLE 8
FRASER FORESHORE; SLED SAMPLES
HARPICTICOID SPECIES
AVERAGED OVER ALL SAMPLES

MEIOTAB1: FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

MEIOFAUNA CATEGORIES

CODE	IDENTIFICATION
TOTAL	TOTAL
ALSP	ALTEUTHA SP.
AMDI	AMPHIASCOIDES DIMORPHUS
APVE	APODOPSYLLUS VERMICULIFORMIS
AMNO	AMONARDIA NORMANI
AMUN	AMPHIASCUS UNDOSUS
AMSP	AMPHIASCOIDES SPECIES
AMMI	AMPHIASCUS MINUTUS
AMLO	AMEIRA LONGIPES
AMESP	AMEIRA SPECIES
AMCI	AMPHIASCOPSIS CINCTUS
AMOPE	AMONARDIA PERTURBATA
AMPA	AMEIRA PARVULOIDES
UCOP	COPEPODITE UNIDENTIFIED
CLESP	CLETOCAMPTUS SPECIES
DASP	DACTYLOPODIA SPECIES
DATY	DANIELSENNIA TYPICA
DISP	DIARTHRODES SPECIES
DISPI	DIOSACCUS SPINATUS
DIUN	DIARTHRODES UNISETOSUS
ENSP	ENHYDROSOMA SPECIES
ENHO	ENHYDROSOMA HOPKINSI
ECAR	ECHINOLAOPHONTE ARMIGER
FAEC	FAMILY ECTINOSOMIDAE
HUSP	HUNTEMANNIA SPECIES
HASP	HARPACTICUS SPECIES
HUJA	HUNTEMANNIA JADENSIS

Table 8 (cont'd)

HELIL = HETEROLAOPHONTE LITTORALIS LONGISETIGERA
HEDI = HETEROLAOPHONTE DISCOPHORA
HEHA = HETEROLAOPHONTE HAMONDI
HEVA = HETEROLAOPHONTE VARIABILIS
HASPI = HARPACTICUS SPINULOSUS
LEVA = LEIMIA VAGA
LOAM = LONGIPEDIA AMERICANA
LECO = LEPTASTACUS CONSTRICTUS
LASP = LAOPHONTID SPECIES
LESP = LEPTOCARIS SPECIES
LIBE = LIMNOCLETODES BEHNINGI
MILI = MICROARTHRIDION LITTORALE
MESP = MESOCHRA SPECIES
MISP = MICROSETELLA SPECIES
MIRO = MICROSETELLA ROSEA
MEPY = MESOCHRA PYGMAEA
NISPA = NITOCRA SPINIPES ARMATA
PSES = PSEUDONYCHOCAMPTUS SPINIFER
PAPA = PARALAOPHONTE PACIFICA
PSMI = PSYLLOCAMPTUS MINUTUS
PPLSP = PARAPSEUDOLEPTOMESOCHRA SPECIES
PAVE = PARALEPTASTACUS VERMICULARIS
PRSI = PROAMEIRA SIMPLEX
PAHO = PARASTENHELIA HORNELLI
PASP = PARALEPTASTICUS SPECIES
PACOC = PARALAOPHONTE CONGENERA CONGENERA
PASPI = PARALEPTASTICUS SPINICAUDA
ROPR = ROBERTSONIA PROPINQUA
ROHO = ROBERTGURNEYA HOPKINSI
RODI = ROBERTGURNEYA DIVERSA

Table 8 (cont'd)

SCSP = SCOTTOPSYLLUS SPECIES

SCAR = SCUTELLIDIUM ARTHURI

SCKN = SCHIZOPERA KNABENI

SASP = SARSAMEIRA SPECIES

SCCA = SCOTTOLANA CANADENSIS

STPE = STENHELIA (ST.) PENICULATA

STOB = STENHELIA (D.) OBLONGA

STDSP = STENHELIA (D.) SPECIES

TESP = TEGASTIDAE SPECIES

TISP = TISBE SPECIES

TATR = TACHIDIUS (NEOTACHIDIUS) TRIANGULARIS

TEPE = TEGASTES PERFORATUS

ZASP = ZAUS SPECIES

DACR = DACTYLOPODIA CRASSIPES

DAVU = DACTYLOPODIA VULGARIS

TAIN = TACHIDIUS INCISIPES

STAS = STENHELIA (ST) ASETOSA

KLSP = KLIOPSYLLUS SPECIES

Table 8 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION 1

N= 39

STAT	TOTAL	UCOP	TATR	TISP	LEVA	FAEC	MILI	SCCA	MEPY	HUSP	ZASP	HASP	DIUN	DASP	SCKN	SASP	MISP
MEAN	228.2	77.6	37.9	36.2	24.2	14.3	11.5	8.7	4.0	2.2	1.8	1.6	1.5	1.3	1.2	0.9	0.7
SD	455.4	211.7	92.2	171.4	49.9	26.6	30.7	21.4	9.6	5.7	4.9	4.5	6.5	6.4	4.3	3.4	3.2
SE	72.9	33.9	14.8	27.4	8.0	4.3	4.9	3.4	1.5	0.9	0.8	0.7	1.0	1.0	0.7	0.5	0.5
V/MEAN	908.6	577.9	224.0	811.8	102.8	49.7	81.8	52.8	22.7	14.8	13.9	12.3	29.3	31.2	15.3	13.3	14.3
S/MEAN	2.0	2.7	2.4	4.7	2.1	1.9	2.7	2.5	2.4	2.6	2.8	2.7	4.5	4.8	3.6	3.9	4.4
S/M*M	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.3	0.6	1.2	1.6	1.7	3.1	3.6	3.0	4.5	6.1
PERCNT	100.0	34.0	16.6	15.9	10.6	6.3	5.1	3.8	1.8	1.0	0.8	0.7	0.6	0.6	0.5	0.4	0.3

STAT	AMSP	PASPI	PSES	PASP	AMESP	PACOC	HELIL	AMUN	HEVA	AMNO	AMPA	PPLSP	LASP	PAHO	DATY	AMLO	AMDI
MEAN	0.5	0.5	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	2.2	1.3	3.2	1.1	1.3	0.8	0.6	0.4	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SE	0.4	0.2	0.5	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	9.3	3.3	20.1	4.0	7.1	5.2	3.2	1.9	0.8	1.1	0.6	0.5	0.8	0.8	0.7	0.3	0.4
S/MEAN	4.2	2.5	6.2	3.6	5.5	6.2	5.3	5.3	3.8	4.7	5.0	4.9	6.2	6.2	6.2	4.5	6.2
S/M*M	8.1	4.9	12.1	11.3	23.5	46.5	45.9	76.6	63.8	97.3	202.0	225.7	324.7	324.7	340.8	287.8	649.5
PERCNT	0.2	0.2	0 2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 8 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION 2

N= 35

STAT	TOTAL	UCOP	FAEC	TISP	ZASP	TATR	MEPY	LEVA	PASPI	MILI	HASP	HUJA	DISP	DASP	LECO	DAVU	STPE
MEAN	63.6	22.2	10.3	9.9	7.4	5.5	3.1	1.4	0.8	0.6	0.4	0.4	0.2	0.2	0.2	0.1	0.1
SD	107.2	45.6	30.4	36.6	15.2	14.7	7.7	3.0	3.1	2.2	1.5	0.9	0.7	0.4	0.8	0.4	0.7
SE	18.1	7.7	5.1	6.2	2.6	2.5	1.3	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1
V/MEAN	180.7	93.6	89.6	134.9	31.5	38.7	19.4	6.5	12.3	8.3	6.0	2.2	1.8	0.9	4.1	1.2	4.4
S/MEAN	1.7	2.1	2.9	3.7	2.1	2.6	2.5	2.2	4.0	3.7	3.9	2.4	2.8	2.1	4.9	2.9	5.9
S/M*M	0.0	0.1	0.3	0.4	0.3	0.5	0.9	1.5	5.1	6.3	10.1	6.6	11.5	10.4	28.3	19.8	46.9
PERCNT	100.0	34.9	16.3	15.6	11.6	8.7	4.8	2.2	1.2	0.9	0.6	0.6	0.4	0.3	0.3	0.2	0.2

STAT	DISPI	HEVA	AMSP	AMNO	TESP	MIRO	AMUN	SCCA	SCKN	AMPA	LIBE	AMCI	STAS	APVE	PAPA	LOAM	MESP
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.7	0.4	0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
SE	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	4.4	1.3	0.5	1.6	0.3	0.3	0.4	0.3	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.1
S/MEAN	5.9	3.4	2.4	4.7	2.1	2.2	2.6	3.1	2.9	4.4	5.9	5.9	5.9	5.9	5.1	5.9	4.1
S/M*M	46.9	29.0	27.6	64.8	30.7	33.7	45.6	117.1	200.6	347.0	517.7	517.7	528.4	528.4	495.3	840.3	624.4
PERCNT	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 8 (cont'd)

FRASER FORESHORE STUDY; SLED SAMPLES; HARPACTICOID SPECIES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION 3

N= 42

STAT	TOTAL	UCOP	TISP	ZASP	MEPY	FAEC	HASP	DASP	DACR	DISP	DATY	AMNO	AMUN	TATR	AMSP	HEVA	TEPE
MEAN	2640.4	1311.8	782.6	140.3	123.4	89.4	32.9	29.8	28.7	21.6	16.8	13.6	10.2	9.4	8.4	3.4	2.8
SD	4659.4	2730.6	1753.4	312.0	283.1	105.6	56.7	51.9	117.1	47.7	44.1	41.6	17.7	18.8	18.6	10.5	6.0
SE	719.0	421.3	270.6	48.1	43.7	16.3	8.8	8.0	18.1	7.4	6.8	6.4	2.7	2.9	2.9	1.6	0.9
V/MEAN	8222.2	5684.0	3928.5	693.6	649.7	124.6	97.8	90.2	477.1	105.2	116.3	127.2	30.7	37.6	41.1	32.4	13.3
S/MEAN	1.8	2.1	2.2	2.2	2.3	1.2	1.7	1.7	4.1	2.2	2.6	3.1	1.7	2.0	2.2	3.1	2.2
S/M*M	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.9	0.8
PERCNT	100.0	49.7	29.6	5.3	4.7	3.4	1.2	1.1	1.1	0.8	0.6	0.5	0.4	0.4	0.3	0.1	0.1

STAT	LOAM	MILI	DAVU	TESP	PRSI	ALSP	AMESP	DISPI	AMPA	PAPA	STDSP	PAHO	AMLO	AMCI	HUJA	ROHO	SCKN
MEAN	2.1	2.0	1.9	1.1	1.0	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.2
SD	8.7	5.3	4.9	4.1	2.3	4.3	2.5	2.8	2.0	2.1	2.8	1.1	1.3	1.2	0.9	0.8	1.0
SE	1.3	0.8	0.8	0.6	0.4	0.7	0.4	0.4	0.3	0.3	0.4	0.2	0.2	0.2	0.1	0.1	0.2
V/MEAN	35.4	13.8	12.7	14.9	5.2	18.8	6.5	8.4	5.0	7.8	15.5	2.9	5.5	5.9	4.4	3.9	6.6
S/MEAN	4.1	2.6	2.6	3.6	2.3	4.4	2.6	3.0	2.5	3.7	5.5	2.7	4.4	4.9	4.7	4.6	6.5
S/M*M	1.9	1.3	1.4	3.2	2.3	4.5	2.7	3.3	3.1	6.3	10.8	6.5	15.1	20.2	23.3	25.0	41.2
PERCNT	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STAT	ENSP	AMMI	STPE	PACOC	STOB	ROPR	MESP	HASPI	SCAR	AMOPE	LASP	ECAR	MISP	APVE	PSMI	NISPA	HEDI
MEAN	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD	0.9	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
SE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	5.8	1.1	2.4	2.6	2.9	2.9	2.9	2.9	2.7	1.6	1.1	1.0	1.0	0.7	0.7	0.5	0.5
S/MEAN	6.5	3.0	5.1	5.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
S/M*M	47.1	23.7	55.5	73.5	94.7	94.7	94.7	94.7	100.9	166.7	252.0	281.1	286.0	378.0	378.0	577.4	577.4
PERCNT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 8 (cont'd)

FRASER FORESHORE STUDY: SLED SAMPLES: HARPACTICOID SPECIES

NUMBERS PER 0.10 SQ M AVERAGED OVER ALL SAMPLES FOR STATION ALL

N=116

STAT	TOTAL	UCOP	TISP	ZASP	MEPY	FAEC	TATR	HASP	DASP	DACR	LEVA	DISP	DATY	AMNO	MILI	AMUN	AMSP
MEAN	1051.9	507.7	298.5	53.6	47.0	40.3	17.8	12.6	11.3	10.4	8.6	7.9	6.1	5.0	4.8	3.7	3.2
SD	3043.2	1744.8	1113.7	197.7	178.8	76.6	56.6	37.3	34.2	71.3	30.8	30.3	27.6	25.7	18.6	11.6	11.8
SE	282.6	162.0	103.4	18.4	16.6	7.1	5.3	3.5	3.2	6.6	2.9	2.8	2.6	2.4	1.7	1.1	1.1
V/MEAN	8803.8	5995.9	4155.6	728.9	680.9	145.5	179.8	110.6	103.4	488.3	111.0	116.3	125.1	132.9	72.5	36.4	43.1
S/MEAN	2.9	3.4	3.7	3.7	3.8	1.9	3.2	3.0	3.0	6.9	3.6	3.8	4.5	5.2	3.9	3.1	3.6
S/M*M	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.2	0.3	0.7	0.4	0.5	0.7	1.0	0.8	0.8	1.1
PERCNT	100.0	48.3	28.4	5.1	4.5	3.8	1.7	1.2	1.1	1.0	0.8	0.8	0.6	0.5	0.5	0.4	0.3

STAT	SCCA	HEVA	TEPE	LOAM	DAVU	HUSP	DIUN	SCKN	TESP	AMESP	PASPI	DISPI	PRSI	ALSP	AMPA	SASP	MISP
MEAN	2.9	1.3	1.0	0.8	0.7	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
SD	13.0	6.5	3.8	5.3	3.1	3.4	3.8	2.6	2.5	1.7	1.9	1.8	1.4	2.6	1.2	2.0	1.9
SE	1.2	0.6	0.4	0.5	0.3	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2
V/MEAN	57.5	32.6	14.8	36.1	12.9	16.0	29.8	14.5	14.7	6.9	8.6	8.3	5.8	19.2	5.2	13.6	14.0
S/MEAN	4.4	5.0	3.9	6.8	4.2	4.7	7.8	5.6	5.8	4.0	4.6	4.8	4.0	7.4	4.2	6.8	7.4
S/M*M	1.5	3.9	3.9	8.8	5.8	6.4	16.0	12.1	13.6	9.4	11.2	12.9	11.1	20.9	13.8	23.2	29.4
PERCNT	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

STAT	PAPA	STDSP	HUJA	PSES	PAHO	AMLO	PASP	AMCI	PACOC	STPE	ROHO	LECO	ENSP	AMMI	HELIL	MESP	STOB
MEAN	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
SD	1.3	1.7	0.8	1.9	0.7	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.4	0.3	0.3
SE	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V/MEAN	8.0	15.6	3.1	20.1	3.0	5.3	4.2	5.7	4.2	3.4	3.9	4.2	5.8	1.1	3.2	2.7	2.9
S/MEAN	6.1	9.2	4.1	10.8	4.4	7.0	6.3	7.9	7.5	6.9	7.7	9.0	10.8	4.8	9.1	10.0	10.8
S/M*M	28.5	49.5	22.5	62.1	28.4	63.4	58.9	86.3	101.8	97.6	115.7	171.5	216.0	98.3	236.3	372.5	434.9
PERCNT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

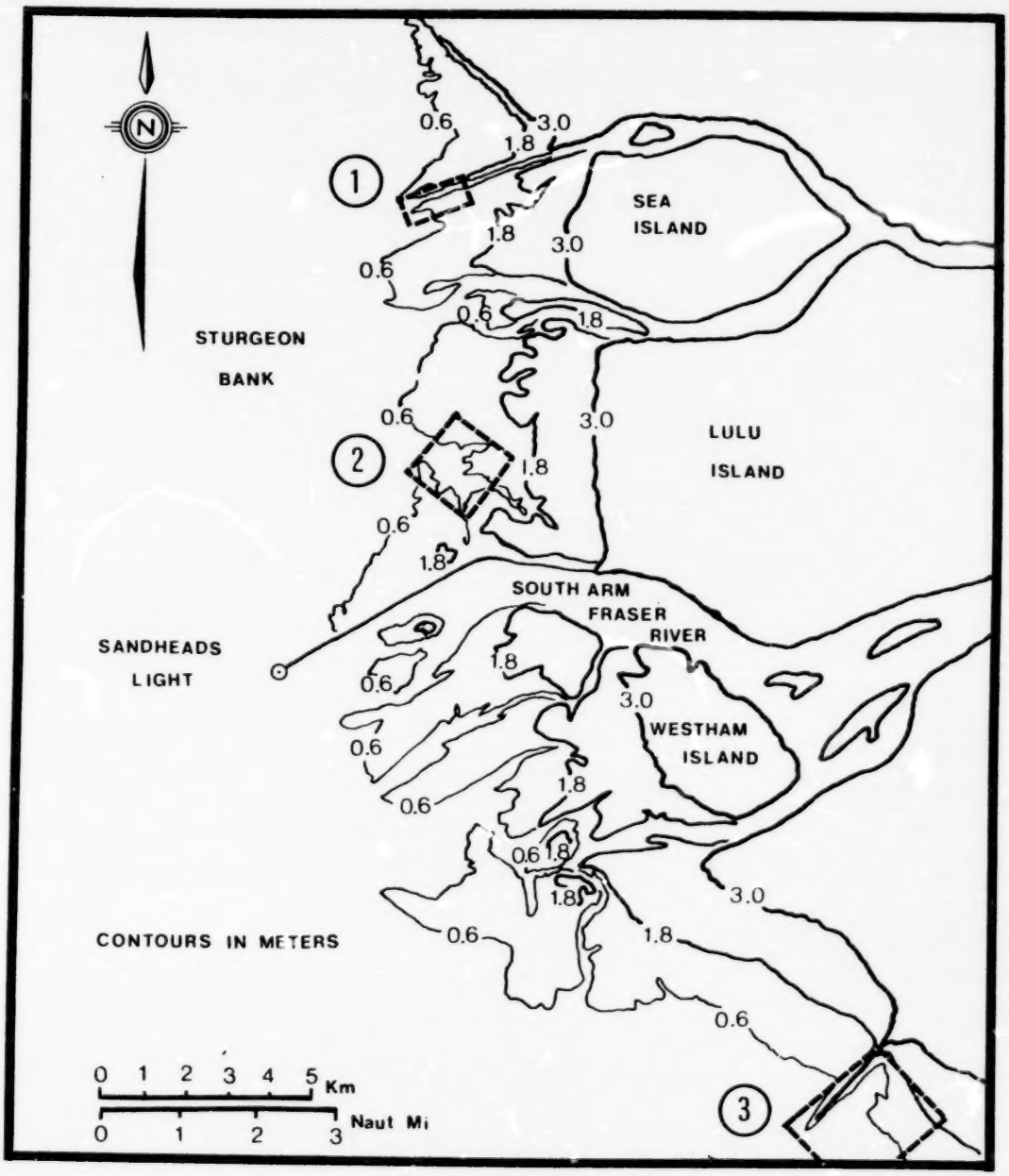


Fig. 1. Fraser River Delta showing sampling locations at Iona (1), Steveston (2), and Roberts Bank (3).

Fig. 2. Iona Island sewage channel. Benthic sampling occurred at Station # 1.

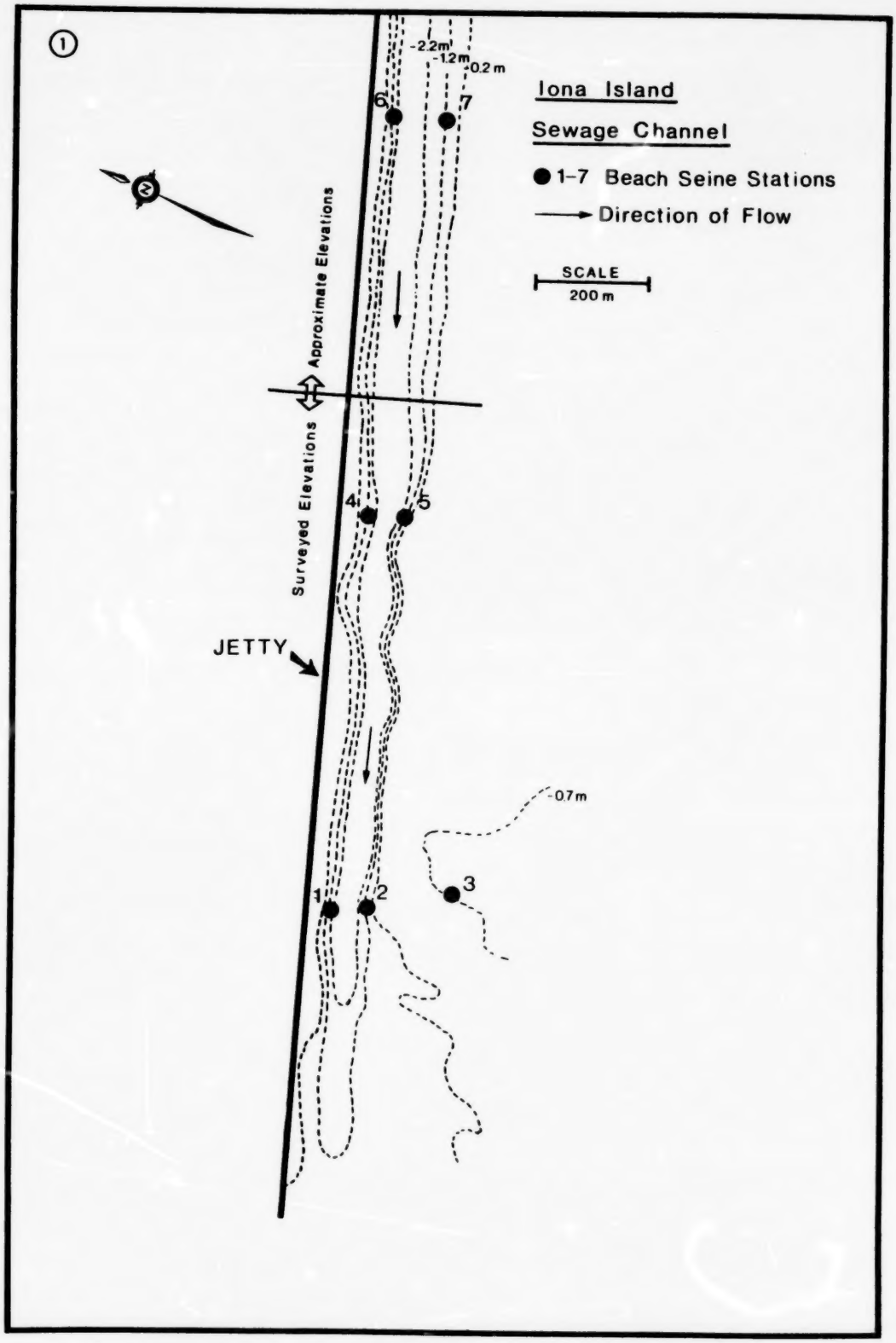

①
-2.2m
-1.2m
-0.2 m
Iona Island
Sewage Channel
1-7 Beach Seine Stations
Direction of Flow
SCALE
200 m
Approximate Elevations
Surveyed Elevations
JETTY
-0.7m
1
2
3
4
5
6
7

Fig. 3. Steveston pit. Benthic sampling occurred at Station # 6.

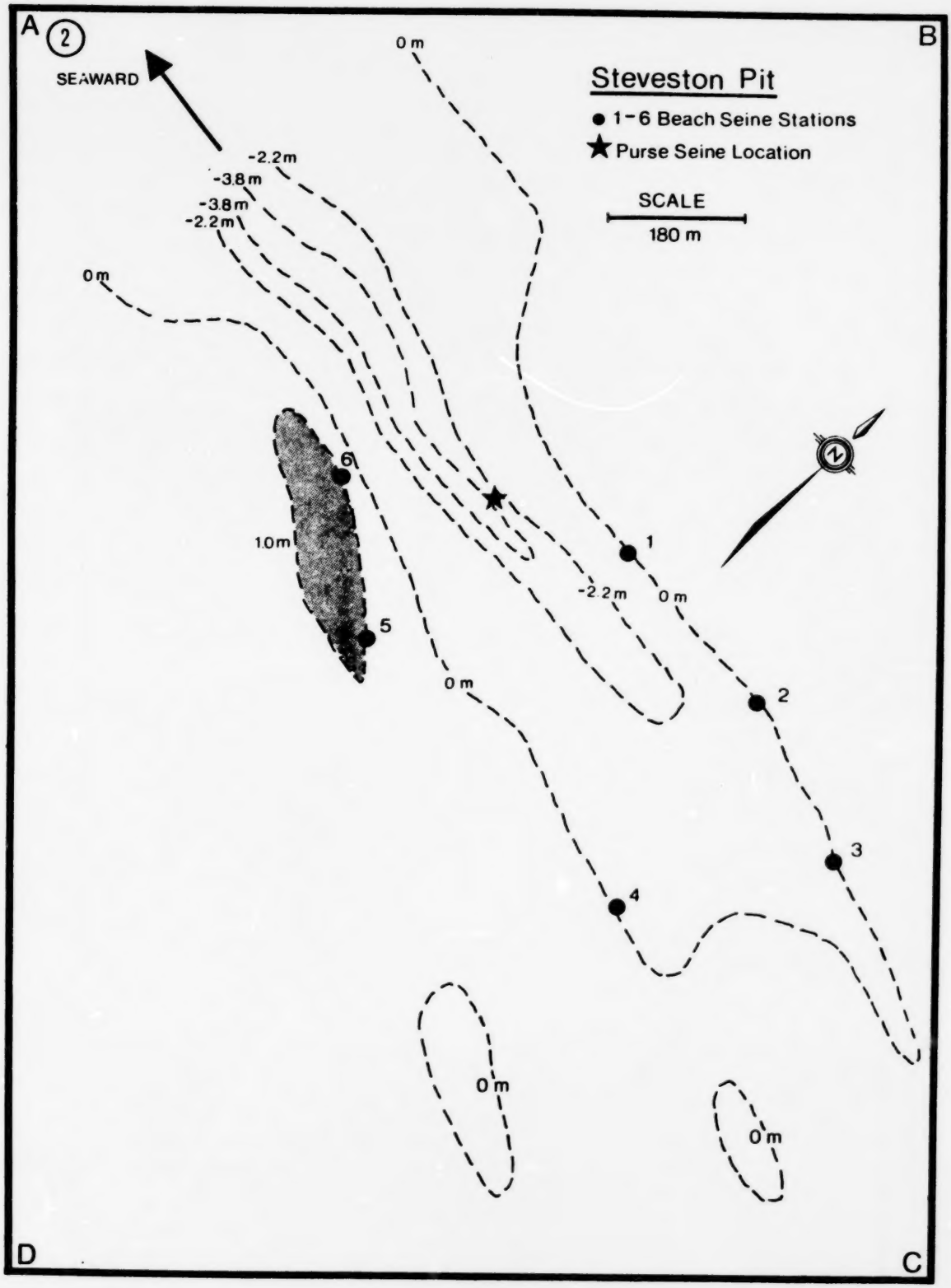
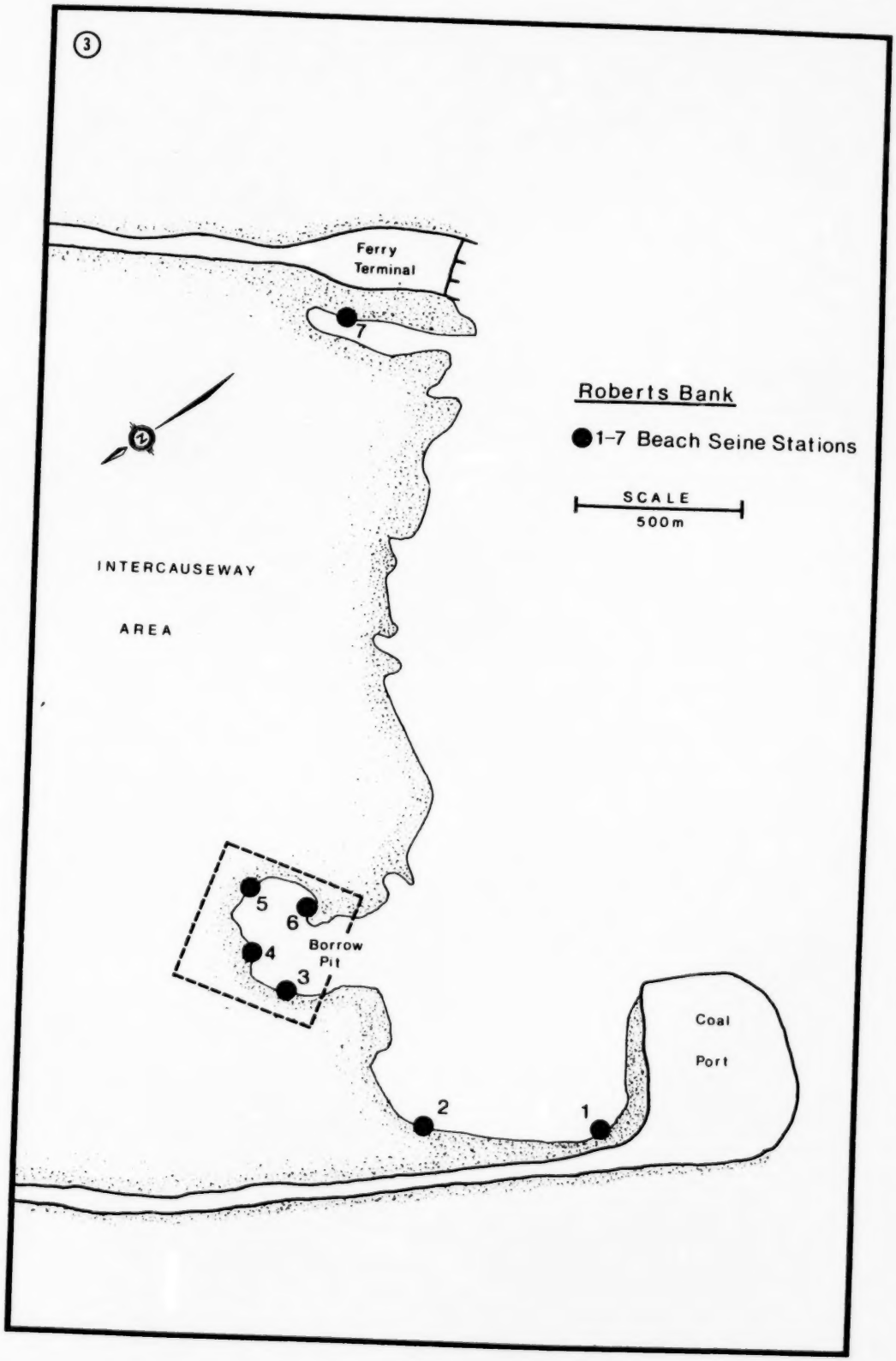

A
2
B
SEAWARD
0 m
Steveston Pit
1-6 Beach Seine Stations
Purse Seine Location
SCALE
180 m
-2.2m
-3.8m
-3.8m
-2.2m
0 m
6
1.0m
5
1
-2.2m
0 m
2
0 m
3
4
0 m
0 m
D
C

Fig. 4. Roberts Bank. Benthic sampling occurred at Station # 1,


3
Ferry
Terminal
7
N
Roberts Bank
1-7 Beach Seine Stations
SCALE
500m
INTERCAUSEWAY
AREA
5
6
4
3
Borrow
Pit
Coal
Port
2
1